

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

## **Olerup SSP<sup>®</sup> HLA-B low resolution**

|   |  |
|---|--|
| <b>Product number:</b>                  | <b>101.501-48/12 – including <i>Taq</i> pol.<br/>101.501-48u/12u – without <i>Taq</i> pol.</b> |
| <b>Lot number:</b>                      | <b>99R</b>   |
| <b>Expiry date:</b>                     | <b>2015-August-01</b>  |
| <b>Number of tests:</b>                 | <b>48 tests – Product No. 101.501-48/48u<br/>12 tests – Product No. 101.501-12/12u</b>         |
| <b>Number of wells per test:</b>        | <b>63 + 1</b>  |
| <b>Storage - pre-aliquoted primers:</b> | <b>dark at -20°C</b>   |
| - PCR Master Mix:                       | -20°C  |
| - Adhesive PCR seals                    | RT   |
| - Product Insert                        | RT   |

**This Product Description is only valid for Lot No. 99R.**

### **CHANGES COMPARED TO THE PREVIOUS *OLERUP SSP*<sup>®</sup> HLA-B LOW RESOLUTION LOT (54R)**

The Lot-specific information for HLA B low resolution including and without *Taq* polymerase is described in one common Product Insert.

The HLA-B low resolution specificity and interpretation tables have been updated for the HLA-B alleles reported since the previous *Olerup SSP*<sup>®</sup> HLA-B low resolution lot was made (**Lot No. 54R**).

The primers of the wells detailed below have been exchanged, modified or added compared to the previous lot.

| Well | 5'-primer | 3'-primer | rationale                                |
|------|-----------|-----------|--|
| 43   | Added     | -         | 5'-primer added for the B*58:39N allele. |

Changes in revision R02 compared to R01:

1. Primer mix 19 does not amplify the B\*44:10 allele. This has been corrected in the Specificity and Interpretation Tables.

Changes in revision R03 compared to R02:

1. In primer mixes 56 and 57, the specific PCR product may give rise to a lower yield of HLA-specific PCR product than the other HLA-B low primer mixes. A foot note has been added to the Specificity Table.

Change in revision R04 compared to R03:

1. Primer mix 4 amplifies the B\*15:143, 35:19, 40:170, 44:07 and 50:07 alleles, and primer mix 26 amplifies the B\*37:06:01 alleles. Foot notes for these two primer mixes have been added to the Specificity Table.

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Well **64** contains Negative Control primer pairs, that will amplify more than 95% of the *Olerup SSP*<sup>®</sup> HLA Class I, DRB, DQB1 and DPB1 amplicons as well as amplicons generated by a control primer pair.

PCR product sizes range from 75 to 430 base pairs.  
 The PCR product generated by the control primer pair is 430 base pairs.

| Length of PCR product        | 105                  | 200                     | 105                  | 80                   | 75                   | 80                   |
|------------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| <b>5'-primer<sup>1</sup></b> | <b>164</b>           | <b>340</b>              | <b>440</b>           | <b>45</b>            | <b>45</b>            | <b>43</b>            |
|                              | 5'-CAC <sup>3'</sup> | 5'-Agg <sup>3'</sup>    | 5'-TTA <sup>3'</sup> | 5'-Tgg <sup>3'</sup> | 5'-Tgg <sup>3'</sup> | 5'-Tgg <sup>3'</sup> |
| <b>3'-primer<sup>2</sup></b> | <b>231</b>           | <b>2<sup>nd</sup> I</b> | <b>507</b>           | <b>59</b>            | <b>58</b>            | <b>57</b>            |
|                              | 5'-TgC <sup>3'</sup> | 5'-AAA <sup>3'</sup>    | 5'-TTg <sup>3'</sup> | 5'-CTC <sup>3'</sup> | 5'-ggC <sup>3'</sup> | 5'-CTC <sup>3'</sup> |
| <b>A*</b>                    | <b>+</b>             | <b>+</b>                | <b>+</b>             |                      |                      |                      |
| <b>B*</b>                    | <b>+</b>             | <b>+</b>                | <b>+</b>             |                      |                      |                      |
| <b>C*</b>                    | <b>+</b>             | <b>+</b>                | <b>+</b>             |                      |                      |                      |
| <b>DRB1</b>                  |                      |                         |                      | <b>+</b>             | <b>+</b>             |                      |
| <b>DRB3</b>                  |                      |                         |                      | <b>+</b>             | <b>+</b>             |                      |
| <b>DRB5</b>                  |                      |                         |                      | <b>+</b>             |                      |                      |
| <b>DQB1</b>                  |                      |                         |                      |                      | <b>+</b>             |                      |
| <b>DPB1</b>                  |                      |                         |                      |                      |                      | <b>+</b>             |

<sup>1</sup>The nucleotide position for HLA class I genes and the codon for HLA class II genes, in the 2<sup>nd</sup> or 3<sup>rd</sup> exon, matching the specificity-determining 3'-end of the primer is given. Nucleotide and codon numbering as on the [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

<sup>2</sup>The nucleotide position for HLA class I genes and the codon for HLA class II genes, in the 2<sup>nd</sup> or 3<sup>rd</sup> exon or the 2<sup>nd</sup> intron, matching the specificity-determining 3'-end of the primer is given in the anti-sense direction. Nucleotide and codon numbering as on the [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

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## PRODUCT DESCRIPTION

### HLA-B low resolution SSP typing

#### CONTENT

The primer set contains 5'- and 3'-primers for grouping the B\*07:02 to B\*83:01 alleles into the corresponding serological groups B7 to B81 as well as primer pairs for recognizing the Bw4 and Bw6 sequence motifs.

#### PLATE LAYOUT

Each test consists of 64 PCR reactions in a 64 well cut PCR plate.

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |

Wells 1 to 63 – HLA-B low resolution primers.

Well 64 – Negative Control.

The 64 well cut PCR plate is marked with ‘HLA-B low’ in silver/gray ink.

Well No. 1 is marked with the Lot No. ‘99R’.

A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays, and should be disregarded.

The PCR plates are covered with a PCR-compatible foil.

#### INTERPRETATION

Only HLA-B alleles will be amplified by the HLA-B low resolution typing kit, except that primer mix 1 will amplify the C\*02:23 and C\*04:77 alleles, primer mix 3 will amplify the C\*03:05, C\*03:25, C\*03:27, C\*03:143 and C\*03:167 alleles, primer mix 4 will amplify the C\*01:30 and C\*12:87 alleles, primer mix 6 will amplify the A\*23:31, A\*24:106, C\*07:231 and C\*16:10 alleles, primer mixes 7 will amplify the C\*01:73, C\*07:02:30 and C\*08:16:02 alleles, primer mix 8 will amplify the C\*07:46 allele, primer mix 13 will amplify the A\*24:174 allele, primer mix 17 will amplify the C\*03:102 allele, primer mix 21 will amplify the C\*15:51 allele, primer mix 25 will amplify the C\*03:129 allele, primer mix 26 will amplify the C\*01:73 allele, primer mix 29 will amplify the C\*15:25 allele, primer mix 31 will amplify the C\*01:73 and C\*15:39 alleles, primer mix 40 will amplify the C\*15:02:04 allele, primer mix 41 will amplify the C\*03:12, C\*03:19 and C\*03:102 alleles, primer mix 42 will amplify the C\*06:72 allele, primer mix 43 will weakly amplify the C\*02:06 and C\*02:47 alleles, primer mix 45 will amplify the A\*26:68, A\*68:56, C\*02:56, C\*06:20 and C\*12:50 alleles, primer mix 50 will amplify the C\*08:51 allele, primer mix 52 will amplify the A\*24:146 allele, primer mix 53 will amplify the C\*05:30 allele, primer mix 54 will

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amplify the A\*24:02:37 and C\*15:25 alleles, primer mix 55 will amplify the C\*02:60 allele and primer mix 57 will amplify the C\*07:46 allele.

Thus, the interpretation of HLA-B low resolution typings is only influenced by these alleles, and not by other HLA class I alleles.

**UNIQUELY IDENTIFIED ALLELES**

All the HLA-B alleles recognized by the HLA Nomenclature Committee in October 2012<sup>1</sup> will be amplified by the primers in the HLA-B low resolution SSP kit. The HLA-B alleles will be grouped into their corresponding serological specificities<sup>2,3</sup>.

<sup>1</sup>HLA-B alleles listed on the IMGT/HLA web page 2012-October-12, release 3.10.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</sup>It is not possible to identify all serological splits and combinations of the B15 group of alleles, as the serological reactivity of several of the B\*15 alleles is not known.

The resolution has been updated to fulfill the NMDP medium resolution confirmatory typing requirements effective from February 1<sup>st</sup> 2001.

DNA-based HLA-B typing resolution required:

B\*07:xx, B\*08:xx, B\*13:xx, B\*14:xx, B\*18:xx, B\*27:xx, B\*15:22, B\*35:xx, B\*37:xx, B\*38:xx, B\*39:xx, B\*40:05, B\*41:xx, B\*42:xx, B\*44:xx, B\*45:xx, B\*46:xx, B\*47:xx, B\*48:xx, B\*49:xx, B\*50:xx, B\*51:xx, B\*52:xx, B\*53:xx, B\*54:xx, B\*55:xx, B\*56:xx, B\*57:xx, B\*58:xx, B\*59:xx, B\*67:xx, B\*73:xx, B\*78:xx, B\*81:xx, B\*82:xx,

B\*40EJD<sup>a</sup> 40:01, 40:07, 40:10, 40:12, 40:14, 40:15, 40:16

B\*40EJB<sup>b</sup> 40:02, 40:03, 40:04, 40:06, 40:08, 40:09, 40:11, 40:13, 40:18, 40:19, 40:20

B\*15EJA<sup>c</sup> 15:01, 15:04, 15:05, 15:06, 15:07, 15:20, 15:24, 15:25, 15:26N, 15:27, 15:28, 15:30, 15:32, 15:33, 15:34, 15:35, 15:36, 15:38, 15:39, 15:40, 15:43, 15:45

B\*15AHM<sup>d</sup> 15:16, 15:17

B\*15EHZ<sup>e</sup> 15:03, 15:09, 15:10, 15:18, 15:23, 15:29, 15:37, 15:47

B\*15CYP<sup>f</sup> 15:02, 15:08, 15:11, 15:15, 15:21, 15:31, 15:44

B\*15AND<sup>g</sup> 15:12, 15:14, 15:19

B\*1513<sup>h</sup>

<sup>a</sup>B60 serologic equivalent cluster.

<sup>b</sup>B61 serologic equivalent cluster.

<sup>c</sup>B62 serologic equivalent cluster.

<sup>d</sup>B63 serologic equivalent cluster.

<sup>e</sup>B70 serologic equivalent cluster.

<sup>f</sup>B75 serologic equivalent cluster.

<sup>g</sup>B76 serologic equivalent cluster.

<sup>h</sup>B77 serologic equivalent cluster.

<sup>3</sup>The B\*55:23 and 55:32 and the B\*56:18 and 56:32 alleles give rise to identical amplification patterns with the HLA-B low resolution primer set. These alleles can be separated by the respective high resolution primer sets.

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## SPECIFICITY TABLE

### HLA-B low resolution SSP typing

Specificities and sizes of the PCR products of the 63+1 primer mixes used for HLA-B low resolution SSP typing

| Primer Mix                | Size of spec. PCR product <sup>1</sup> | Size of control band <sup>2</sup> | HLA-B serol. <sup>3</sup>   | Amplified HLA-B alleles <sup>4,5</sup>   |
|---------------------------|--|-----------------------------------|---|--|
| <b>1<sup>6,9</sup></b>    | 120 bp,<br>105 bp                      | <b>800 bp</b>                     | 7, 703, 40,<br>41, 42, 48,<br>61  | *07:02:01-07:18:02, 07:20-07:32, 07:34-07:39, 07:41-07:47, 07:49N-07:50, 07:52, 07:54-07:59, 07:61-07:99, 07:101-07:121, 07:123-07:138, 07:140-07:154, 07:156-07:163, 07:166-07:176, 08:79, 15:138, 15:230, 15:241, 37:07, 40:15-40:16, 40:23, 40:32, 40:98, 40:136, 40:158, 40:183, 40:198, 41:08, 42:05:01-42:05:02, 44:150, 48:05, 48:08, 48:15,<br><b>C*02:23, C*04:77</b>   |
| <b>2</b>                  | 215 bp                                 | 1070 bp                           | 8, 44   | *08:01:01-08:05, 08:07-08:25, 08:27-08:49, 08:51-08:61, 08:63-08:64, 08:66-08:84, 08:86N-08:93, 08:95-08:105, 15:142, 15:180, 35:218, 44:49, 44:156, 49:25, 51:68  |
| <b>3</b>                  | 140 bp,<br>235 bp                      | 1070 bp                           | 7, 8, 13,<br>15, 35,<br>4005, 44,<br>49, 61, 62,<br>77                            | *07:20, 07:24, 07:60, 07:100, 07:131, 08:21, 08:25, 13:01:01-13:04, 13:06-13:08Q, 13:10-13:23, 13:25-13:38, 13:40-13:57, 13:59-13:63N, 15:07:01-15:07:02, 15:36 <sup>w</sup> , 15:45, 15:55, 15:68, 15:89 <sup>w</sup> , 15:126, 15:207, 35:05:01-35:05:03, 35:16-35:17, 35:22, 35:30, 35:51, 35:58, 35:72, 35:89, 35:97, 35:113-35:114, 35:125, 35:164, 35:199, 40:05, 40:71, 40:174, 44:08 <sup>w</sup> , 44:54, 44:57 <sup>w</sup> , 44:60, 44:106, 44:110, 44:135, 44:158, 46:12, 51:64, 51:148, 53:14, 55:51, 58:18, <b>C*03:05, C*03:25, C*03:27, C*03:143, C*03:167</b>   |
| <b>4<sup>7,8,16</sup></b> | 130 bp,<br>265 bp                      | <b>800 bp</b>                     | 12, 13, 14,<br>17, 21, 35,<br>40, 41, 44,<br>45, 47, 49,<br>50, 60, 61,<br>64, 65 | *13:01:01-13:04, 13:06-13:13, 13:15-13:23, 13:25-13:57, 13:59-13:63N, 14:01:01-14:04, 14:07N, 14:09, 14:11-14:12, 14:14-14:33, 15:46, 15:53, 15:106, 15:212, 18:44:01-18:44:02, 35:46-35:47, 35:63, 35:154, 35:207, 35:217, 40:01:01-40:01:29, 40:07, 40:10:01-40:10:02, 40:14:01-40:16, 40:22N-40:23, 40:25, 40:30-40:34, 40:36, 40:38, 40:42-40:43, 40:45, 40:47-40:49, 40:51-40:55, 40:58-40:63, 40:65-40:67, 40:69, 40:72:01-40:73, 40:76-40:77, 40:79-40:81, 40:84, 40:87:01-40:88, 40:92, 40:100-40:102, 40:106, 40:108, 40:110, 40:112-40:114, 40:116-40:118N, 40:121, 40:123-40:126, 40:128-40:130, 40:132, 40:134-40:136, 40:139-40:141, 40:146-40:147, 40:150-40:156, 40:158, 40:160:01-40:160:02, |

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| <b>5<sup>8</sup></b> | 185 bp,<br>235 bp | <b>800 bp</b>  | 7, 16, 17,<br>27, 2708,<br>37, 38,<br>3901,<br>3902, 39,<br>64, 67 | *07:02:32, 14:01:01-14:01:02, 14:07N-14:08, 14:10, 14:12, 14:14, 14:19, 14:26, 14:32, 27:01-27:05:15, 27:05:17-27:05:19, 27:06, 27:08-27:10, 27:12-27:13, 27:16-27:18, 27:20, 27:23, 27:26-27:27, 27:29, 27:31, 27:35-27:37, 27:39-27:42, 27:44-27:46, 27:48-27:61, 27:64N-27:69, 27:72-27:75, 27:77-27:80, 27:82-27:99, 37:02, 38:01:01-38:02:02, 38:02:04-38:03, 38:07-38:24, 38:26-38:32, 38:34N-38:42, 39:01:01:01-39:01:01:03, 39:01:03-39:01:08, 39:01:10-39:02:01, 39:03, 39:05:01-39:09, 39:11, 39:14-39:15, 39:18, 39:19:02, 39:22, 39:24:01-39:39:01, 39:40:01N-39:44, 39:46-39:48, 39:50-39:62, 39:64-39:71, 39:73-39:75, 39:77, 39:79, 47:04-47:05, 48:21, 48:26, 67:01:01, 67:03 |
| <b>6</b>             | 190 bp            | <b>800 bp</b>  | 14, 35, 38,<br>39, 65  | *07:28, 08:87, 14:02:01-14:02:02, 14:02:04-14:02:05, 14:02:07-14:06:02, 14:09, 14:11, 14:13, 14:15-14:18, 14:20, 14:22-14:23, 14:25, 14:27, 14:29-14:31, 14:33, 15:77, 15:189, 15:233, 35:26, 38:05, 38:33, 39:04, 44:16, 44:37:01-44:37:02, 44:64:01-44:64:02, 44:91, 44:132, 44:150, 52:26, 57:04, <b>A*23:31, A*24:106, C*07:231, C*16:10</b>  |
| <b>7</b>             | 290 bp            | <b>1070 bp</b> | 15, 22, 62,<br>63, 71, 72,<br>75, 76, 77,<br>46                    | *15:01:01:01-15:01:03, 15:01:06-15:02:06, 15:03:03-15:08, 15:10:02-15:11:03, 15:11:05-15:15, 15:17:01:01-15:17:02, 15:19-15:21, 15:24-15:28, 15:30-15:36, 15:38:01-15:40, 15:42-15:46, 15:48, 15:50, 15:55-15:58, 15:60, 15:63, 15:65-15:66, 15:70-15:71, 15:73, 15:75-15:79N, 15:81-15:89, 15:92, 15:94N, 15:96-15:97, 15:101-15:102, 15:104-15:107, 15:109-15:113, 15:116-15:118, 15:120-15:122, 15:125-15:126, 15:128-15:129, 15:135-15:150, 15:152, 15:154-15:155, 15:157, 15:159-15:160, 15:162-15:172, 15:174-15:175, 15:177-15:179, 15:181N-15:185, 15:187-15:196, 15:199, 15:201-15:209N, 15:211, 15:213-15:219, 15:223-15:225, 15:227-15:228, 15:230-15:234, 15:236-15:237,          |

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|-----------------------|------------------------------|---------------|--|--|
| <b>8</b>              | 165 bp,<br>220 bp,<br>330 bp | 1070 bp       | 5, 8, 12,<br>21, 22, 37,<br>41, 42, 44,<br>45, 48, 51,<br>56, 57, 60,<br>62, 70, 71,<br>72, 82 | *08:01:01-08:05, 08:08N-08:12:03, 08:15-08:19N,<br>08:21-08:24, 08:26-08:27, 08:29-08:36, 08:38-08:39,<br>08:41-08:48, 08:50-08:54, 08:56:01-08:69, 08:71-<br>08:73, 08:75-08:76, 08:78, 08:80-08:86N, 08:88,<br>08:90-08:105, 13:46, 15:03:01-15:03:03, 15:09-<br>15:10:02, 15:18:01-15:18:05, 15:23, 15:29, 15:37,<br>15:46-15:47:02, 15:49, 15:51-15:54, 15:61-15:62,<br>15:64:01-15:64:02, 15:69, 15:72, 15:74, 15:80, 15:83,<br>15:90-15:91, 15:93, 15:98-15:99, 15:103, 15:106,<br>15:108, 15:114-15:115, 15:119, 15:123-15:124,<br>15:127, 15:131-15:134, 15:143, 15:151, 15:153,<br>15:156, 15:158, 15:161, 15:173, 15:176, 15:186,<br>15:197-15:198, 15:200, 15:210, 15:212, 15:220-<br>15:221, 15:226N, 15:229, 15:235, 15:238, 15:242-<br>15:243, 15:252-15:253, 15:255, 15:259, 15:263,<br>35:87, 37:12, 38:30, 40:12, 40:136, 41:01-41:03:02,<br>41:05-41:09, 41:11-41:17, 41:19-41:25, 42:01:01-<br>42:02, 42:04-42:08, 42:10-42:15, 42:17, 44:14-44:15,<br>44:18, 44:20, 44:62, 44:100, 45:01-45:14, 51:08,<br>51:20, 51:36, 51:44N, 51:97, 51:141, 52:19, 55:20,<br>55:56, 56:13, 57:09, 82:01-82:03, <b>C*07:46</b> |
| <b>9</b>              | 390 bp                       | 1070 bp       | 63   | *15:16:01-15:17:02, 15:67, 15:95, 15:162, 15:168,<br>15:177, 15:196, 15:208, 15:216, 15:222, 15:230,<br>15:254   |
| <b>10</b>             | 180 bp                       | <b>800 bp</b> | 13, 22, 55,<br>60  | *07:78, 13:01:01-13:02:15, 13:07N-13:09, 13:11,<br>13:14-13:20, 13:22:01-13:23, 13:25, 13:27-13:34,<br>13:36-13:45, 13:47, 13:49N-13:50, 13:52, 13:54-<br>13:58, 13:60-13:61, 13:63N, 40:48, 45:10, 49:07,<br>54:26, 55:09, 55:22, 55:24   |
| <b>11<sup>6</sup></b> | 105 bp,<br>195 bp            | 1070 bp       | 8, 12, 27,<br>38, 39,<br>3902, 40,<br>44, 45, 48,<br>60, 70, 71,<br>72, 82                     | *07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-<br>15:03:03, 15:47:01-15:47:02, 15:49, 15:54, 15:61-<br>15:62, 15:64:01-15:64:02, 15:68-15:69, 15:91, 15:98,<br>15:103, 15:123, 15:127, 15:131-15:132, 15:151,<br>15:156, 15:158, 15:173, 15:210, 15:220, 15:235,<br>15:242, 15:253, 15:259, 18:37, 27:18, 27:29, 37:28,<br>38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02,<br>39:23, 39:39:01-39:39:02, 39:49, 40:12, 40:46, 40:93,<br>42:11, 44:10, 44:15, 44:18, 44:40, 44:44, 44:130,<br>44:140, 44:156, 45:01, 45:05-45:07, 45:11-45:14,<br>48:01:01-48:05, 48:07-48:28, 49:20, 50:02, 52:16,<br>55:18, 82:01-82:03   |
| <b>12</b>             | 280 bp                       | 1070 bp       | 5, 7, 8, 13,<br>15, 16, 17,  | *07:09, 07:11, 07:17, 07:162, 08:28, 08:35, 08:37,   |



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| <b>13</b>             | 195 bp                       | 1070 bp | 27, 35, 37, 44, 58, 76   | *15:12, 15:14, 15:19, 15:91, 15:131, 15:161, 18:54, 18:56, 35:45, 35:71, 37:01:01-37:09, 37:12-37:13, 37:15-37:21, 37:23-37:28, 37:30N-37:33N, 37:35-37:36, 38:17, 44:17, 44:43:01-44:43:02, 44:144, 45:09, 46:17, 53:22, 58:07, <b>A*24:174</b>  |
| <b>14<sup>6</sup></b> | 105 bp,<br>395 bp,<br>435 bp | 1070 bp | 5, 7, 15, 41, 42, 62, 63, 70, 71, 75, 77   | *07:04, 07:25, 07:146, 15:09-15:10:02, 15:13:01-15:13:02, 15:16:01-15:18:05, 15:21, 15:23-15:24, 15:37, 15:44, 15:51-15:52, 15:66-15:67, 15:72, 15:80, 15:87, 15:90, 15:93, 15:95, 15:99, 15:108,   |

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| <b>18</b>             | 135 bp            | 1070 bp       | 8, 18, 22,<br>35, 39, 78  | *07:65, 07:134, 08:32, 15:202, 15:239, 18:01:01:01-18:08, 18:10-18:15, 18:17N-18:36, 18:38-18:47, 18:50-18:53, 18:55-18:65, 18:68-18:78, 18:80-18:83, 35:01:01:01-35:03:02, 35:03:04-35:08:04,   |

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| <b>19<sup>6,9</sup></b> | 60 bp,<br>245 bp,<br>400 bp | 1070 bp       | 5, 15, 44,<br>48, 60, 62,<br>63, 70, 71,<br>72, 75, 76,<br>77, 82  | *15:01:01:01-15:01:04, 15:01:06-15:21, 15:23-15:40, 15:42-15:58, 15:60-15:67, 15:69-15:99, 15:102-15:129, 15:131-15:179, 15:181N-15:235, 15:237-15:254, 15:256-15:264, 40:12, 82:01-82:03   |
| <b>20<sup>9</sup></b>   | 210 bp                      | <b>800 bp</b> | 27, 37   | *07:27, 08:49, 18:54, 37:01:01-37:37, 38:17   |
| <b>21</b>               | 170 bp                      | <b>800 bp</b> | 16, 35, 38,<br>39, 3901,<br>3902, 67,<br>72  | *08:55, 15:69, 15:186, 35:35, 38:01:01-38:09, 38:11-38:21, 38:23-38:29, 38:31-38:35, 38:38-38:42, 39:01:01:01-39:01:01:03, 39:01:03-39:20, 39:22-39:24:02, 39:26-39:29, 39:31, 39:35, 39:37-39:42, 39:44-39:46, 39:48-39:49, 39:51-39:73, 39:75-39:79, 40:184, 51:101, 58:20, 67:01:01-67:03, <b>C*15:51</b>  |
| <b>22<sup>6</sup></b>   | 110 bp                      | 1070 bp       | 38   | *38:01:01-38:02:02, 38:02:04-38:03, 38:05, 38:08-38:24, 38:26-38:34N, 38:36-38:42, 52:01:10   |
| <b>23</b>               | 395 bp                      | 1070 bp       | 14, 16, 38,<br>39, 3901,<br>64, 65   | *07:69, 07:85, 08:65, 14:01:01-14:20, 14:22-14:33, 38:01:01-38:02:04, 38:04-38:05, 38:08-38:25, 38:27-38:42, 39:01:01:01-39:01:01:03, 39:01:03-39:01:15, 39:03-39:07, 39:09, 39:11-39:12, 39:14-39:15, 39:18-39:19:02, 39:22, 39:24:01-39:38Q, 39:40:01N-39:48, 39:50-39:57, 39:59-39:62, 39:64-39:79   |
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| <b>25<sup>10</sup></b>   | 180 bp            | 1070 bp | 15, 40, 44, 48, 60, 62, 71 | *15:116, 15:124, 40:01:01-40:01:06, 40:01:08-40:01:17, 40:01:19-40:01:29, 40:07, 40:10:01-40:10:02, 40:12, 40:21-40:23, 40:25, 40:30, 40:33-40:34, 40:36, 40:38, 40:42-40:43, 40:46-40:49, 40:51-40:52, 40:54-40:55, 40:59-40:63, 40:65-40:67, 40:69, 40:73-40:74, 40:76, 40:79, 40:81, 40:84, 40:87:01-40:88, 40:92, 40:100-40:102, 40:106, 40:108, 40:112-40:114, 40:116-40:118N, 40:123-40:126, 40:128, 40:130, 40:132, 40:134-40:135, 40:137-40:141, 40:146-40:147, 40:149-40:156, 40:160:01-40:160:02, 40:163, 40:166, 40:168, 40:170-40:172, 40:175, 40:178-40:179, 40:182-40:183, 40:185-40:188, 40:191, 40:193-40:196, 40:198-40:199, 40:204, 40:207-40:208, 40:210, 40:212-40:213, 40:215-40:218, 40:221-40:223, 44:31, 46:06, 48:03:01-48:03:02, 48:17, 48:23, 57:59, <b>C*03:129</b>  |
| <b>26<sup>9,17</sup></b> | 290 bp,<br>465 bp | 1070 bp | 21, 4005, 41, 50, 60, 61   | *13:02:06, 13:26, 15:16:03, 15:20, 15:85, 15:194, 18:48, 35:46, 35:207, 40:02:01-40:06:06, 40:08, 40:09 <sup>?</sup> , 40:10:02 <sup>?</sup> -40:11:02 <sup>?</sup> , 40:13, 40:14:01 <sup>?</sup> -40:15 <sup>?</sup> , 40:18 <sup>?</sup> -40:19 <sup>?</sup> , 40:20, 40:22N <sup>?</sup> , 40:24 <sup>?</sup> -40:38 <sup>?</sup> , 40:39, 40:42 <sup>?</sup> -40:45 <sup>?</sup> , 40:47 <sup>?</sup> -40:50 <sup>?</sup> , 40:52 <sup>?</sup> -40:58 <sup>?</sup> , 40:61 <sup>?</sup> -40:65 <sup>?</sup> , 40:67 <sup>?</sup> -40:69 <sup>?</sup> , 40:70, 40:71 <sup>?</sup> , 40:72:02 <sup>?</sup> , 40:74 <sup>?</sup> -40:76 <sup>?</sup> , 40:78 <sup>?</sup> , 40:80 <sup>?</sup> -40:82 <sup>?</sup> , 40:84 <sup>?</sup> -40:88 <sup>?</sup> , 40:89, 40:90 <sup>?</sup> -40:92 <sup>?</sup> , 40:94, 40:95 <sup>?</sup> -40:96 <sup>?</sup> , 40:97, 40:98 <sup>?</sup> -40:121 <sup>?</sup> , 40:122, 40:123 <sup>?</sup> , 40:124:02 <sup>?</sup> -40:136 <sup>?</sup> , 40:141 <sup>?</sup> , 40:142N-40:144N, 40:145 <sup>?</sup> , 40:148 <sup>?</sup> -40:149 <sup>?</sup> , 40:151 <sup>?</sup> , 40:154 <sup>?</sup> , 40:156 <sup>?</sup> -40:169 <sup>?</sup> , 40:171 <sup>?</sup> , 40:173 <sup>?</sup> -40:176 <sup>?</sup> , 40:178 <sup>?</sup> -40:184 <sup>?</sup> , 40:187 <sup>?</sup> -40:208 <sup>?</sup> , 40:210 <sup>?</sup> -40:213 <sup>?</sup> , 40:214, 40:216N <sup>?</sup> -40:226 <sup>?</sup> , 46:01:07, 46:33, 47:01:01:01-47:08, 57:05, 58:36, <b>C*01:73</b> |
| <b>27<sup>6</sup></b>    | 105 bp            | 1070 bp | 7, 8, 22, 41, 42           | *07:04, 07:25, 07:146, 08:01:01-08:05, 08:07-08:12:03, 08:14-08:19N, 08:21-08:24, 08:26-08:39, 08:41-08:54, 08:56:01-08:69, 08:71-08:78, 08:80-08:102, 08:104-08:105, 35:87, 40:136, 41:01-41:08, 41:10-41:25, 42:01:01-42:02, 42:04-42:07,  |

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|                          |  |                |  | 42:09-42:17, 55:20   |
|--------------------------|--|----------------|--|--|
| <b>28</b>                | 325 bp   | <b>800 bp</b>  | 7, 22, 27, 2708, 35, 42, 45, 46, 54, 55, 56, 67, 73, 78, 81, 82      | *07:02:01-07:02:37, 07:04-07:07, 07:09-07:15, 07:17-07:26, 07:28-07:31, 07:33-07:36, 07:39-07:46, 07:47 <sup>w</sup> , 07:48-07:49N, 07:51-07:68:03, 07:70-07:84, 07:86-07:176, 14:21, 15:76, 15:101, 15:255, 27:01-27:11, 27:13-27:15, 27:17, 27:19-27:21, 27:24-27:28, 27:30-27:38, 27:40-27:58, 27:60-27:76, 27:78-27:91, 27:93-27:99, 35:76, 35:186, 38:26, 40:166, 42:01:01-42:02, 42:04-42:06, 42:08-42:10, 42:12-42:17, 44:90, 44:97, 45:06, 46:01:01-46:01:07, 46:02 <sup>w</sup> , 46:03-46:36, 46:38, 54:01:01-54:28, 55:01:01-55:05, 55:07-55:17, 55:19-55:57, 56:01:01-56:16, 56:18-56:22, 56:24-56:32, 56:34-56:38N, 67:01:01-67:03, 73:01-73:02, 81:01-81:06, 82:01-82:03, 83:01 |
| <b>29<sup>6</sup></b>    | 115 bp,<br>160 bp,<br>195 bp,<br>225 bp,<br>260 bp | <b>1070 bp</b> | 35, 37, 44, 47, 57   | *08:49, 08:60, 08:76, 08:87, 35:38, 35:45, 35:71, 35:115, 35:169, 37:01:01-37:01:07, 37:01:09, 37:03N-37:06, 37:08, 37:10-37:37, 40:132, 40:178, 42:13, 44:02:01:01-44:03:16, 44:03:18-44:14, 44:16-44:17, 44:19N-44:36, 44:38-44:63, 44:65-44:134, 44:136-44:149N, 44:151-44:157, 44:159-44:165, 51:42, 53:22, 57:07, 57:09, 57:24, 83:01, <b>C*15:25</b>   |
| <b>30</b>                | 215 bp,  | <b>800 bp</b>  | 5, 8, 12, 17, 21, 22, 41, 42, 44, 45, 51, 5102, 5103, 52, 53, 56, 62 | *08:09, 08:84, 13:46, 15:83, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25, 42:04, 44:06, 44:15, 44:18, 44:20, 44:100, 45:01-45:14, 51:01:01, 51:01:03-51:01:08, 51:01:10-51:02:01, 51:02:03-51:04, 51:06:01-51:07:01, 51:08-51:09:01, 51:10-51:14, 51:16-51:24:04, 51:26-51:46, 51:48-51:53, 51:55-51:77, 51:79-51:88, 51:90-51:92, 51:94-51:102, 51:104-51:115, 51:117-51:118N, 51:120-51:131, 51:133-51:143, 51:145-51:147, 52:01:02, 52:01:04, 52:01:09, 52:02-52:03, 52:06:01-52:06:02, 52:09, 52:19, 52:21, 53:06, 55:20, 55:56, 56:13, 58:08:01  |
| <b>31</b>                | 130 bp,<br>270 bp                                  | <b>800 bp</b>  | 17, 18, 22, 35, 37, 46, 51, 53, 62, 78                               | *14:10, 15:57 <sup>w</sup> , 18:22, 18:69, 35:21, 35:24:01-35:24:02, 35:81, 35:96, 35:109, 35:157, 35:188, 35:190, 37:04:01-37:04:02, 40:28, 46:01:01-46:36, 46:38, 51:04, 51:46, 51:56:01-51:56:02, 51:139, 53:02, 53:06, 53:28, 57:14, 58:09, <b>C*01:73, C*15:39</b>  |
| <b>32<sup>6,11</sup></b> | 90 bp,<br>410 bp                                   | <b>1070 bp</b> | 15, 22, 27, 35, 47, 54, 55, 56, 78, 81, 82                           | *07:65, 27:01 <sup>w</sup> , 27:02:01-27:11, 27:13-27:15, 27:17, 27:19-27:21, 27:24-27:28, 27:30-27:38, 27:40-27:58, 27:60-27:76, 27:78-27:91, 27:93-27:99, 35:76, 35:186, 44:90, 44:97, 47:01:01:01-47:03, 47:06-47:08, 54:01:01-54:28, 55:01:01-55:05, 55:07-55:17, 55:19-55:57, 56:01:01-56:16, 56:18-56:22, 56:24-56:32, 56:34-56:38N, 81:01, 82:01-82:03, 83:01   |

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|                       |                   |               |   |   |
|-----------------------|-------------------|---------------|---|---|
| <b>33<sup>6</sup></b> | 90 bp,<br>175 bp  | 1070 bp       | 15, 27, 35,<br>48, 60, 62,<br>75, 77, 81  | *07:174, 13:36, 15:02:01-15:02:06, 15:08, 15:11:01-15:11:05, 15:13:01-15:13:02, 15:15, 15:21, 15:31, 15:44, 15:55, 15:76 <sup>w</sup> , 15:88-15:89, 15:112, 15:121, 15:139, 15:144, 15:148, 15:170, 15:189, 15:191, 15:194, 15:209N, 15:213-15:215, 15:223, 27:24, 35:46, 40:31, 40:45, 40:80, 48:01:01-48:01:03, 48:04, 48:06-48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27-48:28, 81:01-81:06   |
| <b>34</b>             | 145 bp,<br>430 bp | 1070 bp       | 44, 49, 59,<br>61   | *40:13, 40:19, 40:109, 40:117, 44:18, 44:25, 44:50, 44:95, 49:01:01-49:01:04, 49:04-49:25, 51:112, 54:12, 56:21, 57:45, 57:51, 59:01:01:01-59:05  |
| <b>35<sup>6</sup></b> | 120 bp,<br>210 bp | <b>800 bp</b> | 5, 13, 15,<br>17, 22, 35,<br>45, 49, 50,<br>51, 5102,<br>5103, 52,<br>55, 56, 62,<br>63, 78 | *07:78, 07:84, 13:16, 13:31 <sup>w</sup> , 13:48, 13:62, 15:04 <sup>w</sup> , 15:16:01-15:16:03, 15:42, 15:67, 15:95, 15:137 <sup>w</sup> , 15:254, 40:95, 40:148, 40:161, 46:32 <sup>w</sup> , 49:01:01, 49:01:03-49:10, 49:12-49:25, 50:01:01-50:02, 50:04-50:11, 50:13-50:16, 50:18-50:19, 51:01:01-51:03, 51:05, 51:07:01-51:09:02, 51:11N-51:14, 51:16-51:24:04, 51:26-51:41N, 51:43-51:44N, 51:48-51:55, 51:57-51:58, 51:60-51:61:02, 51:63, 51:65-51:80, 51:82-51:134, 51:136-51:138, 51:140-51:147, 52:01:01:01-52:31, 54:20, 55:01:01-55:01:06, 55:01:08-55:01:10, 55:03, 55:05, 55:09, 55:11, 55:15, 55:17, 55:21 <sup>w</sup> , 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:44-55:45, 55:52-55:55N, 56:05:01-56:06, 56:21, 56:25, 56:37, 58:08:01-58:08:02, 78:01:01-78:07 |
| <b>36</b>             | 430 bp            | 1070 bp       | 5, 17, 27,<br>44, 51,<br>5102,<br>5103, 52,<br>53, 57, 58,<br>61                            | *18:67, 27:02:01-27:02:02, 27:30, 27:53, 27:57, 27:62, 27:65N, 27:75, 27:77, 27:83, 27:95, 37:34, 40:13, 40:19, 40:109, 40:117, 44:06, 44:25, 44:50, 44:95, 51:01:01-51:24:04, 51:26-51:46, 51:48-51:53, 51:55-51:77, 51:79-51:148, 52:01:01:01-52:19, 52:21-52:31, 53:01:01-53:02, 53:04-53:08:02, 53:10, 53:14-53:29, 57:01:01-57:11, 57:13-57:60, 58:01:01-58:02, 58:04-58:16, 58:18-58:29, 58:31N-58:39N  |
| <b>37</b>             | 145 bp            | 1070 bp       | 12, 21, 35,<br>40, 4005,<br>41, 45, 47,<br>50, 60, 61                                       | *07:133, 15:46, 15:53, 15:106, 15:143, 15:212, 18:48, 35:19, 35:47, 35:63, 35:154, 35:217, 39:69, 40:01:01-40:11:02, 40:14:01-40:16, 40:18, 40:20, 40:22N-40:40, 40:42-40:45, 40:48-40:75, 40:77-40:92, 40:94-40:95, 40:97-40:108, 40:111-40:116, 40:118N-40:136, 40:138-40:156, 40:158-40:184, 40:186-40:187, 40:189-40:200, 40:202-40:207, 40:210-40:226, 41:01-41:04, 41:05 <sup>?</sup> , 41:06-41:25, 44:09, 44:46, 44:75, 44:90, 44:129, 44:131, 45:01-45:14, 47:02, 47:03 <sup>w</sup> , 50:01:01-50:02, 50:04-50:05, 50:07-50:19  |
| <b>38</b>             | 300 bp            | 1070 bp       | 7, 12, 13,<br>15, 17, 18,   | *07:54, 07:123, 08:17, 08:38, 08:54, 08:101, 13:01:01-13:04, 13:06, 13:08Q-13:23, 13:25-13:35,  |

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|                          |                   |         |  |  |
|--------------------------|-------------------|---------|--|--|
|                          |                   |         | 21, 27, 2708, 35, 37, 38, 39, 3902, 40, 4005, 41, 44, 45, 47, 48, 49, 50, 52, 60, 61, 62, 70, 72, 76 | 13:37-13:63N, 15:01:01:01-15:01:04, 15:01:06-15:01:18, 15:01:20-15:01:31, 15:03:01-15:07:02, 15:12, 15:14, 15:19-15:20, 15:24-15:27:03, 15:30, 15:32-15:36, 15:38:01-15:40, 15:42-15:43, 15:45-15:50, 15:53-15:54, 15:56-15:58, 15:60-15:63, 15:65-15:66, 15:68-15:71, 15:73-15:75, 15:77-15:79N, 15:81-15:87, 15:91-15:92, 15:94N, 15:96-15:98, 15:101-15:107, 15:109-15:111N, 15:113, 15:116-15:118, 15:122-15:123, 15:125-15:129, 15:131-15:132, 15:135-15:138, 15:140-15:142, 15:145-15:147, 15:150-15:152, 15:154-15:160, 15:163-15:167, 15:169, 15:171-15:175, 15:178-15:179, 15:181N-15:185, 15:187-15:188, 15:190N, 15:192-15:193, 15:195, 15:199, 15:201-15:207, 15:210-15:212, 15:217-15:220, 15:224-15:225, 15:227-15:228, 15:231-15:237, 15:239-15:245Q, 15:247-15:251, 15:253, 15:255-15:262N, 15:264, 18:12, 27:01-27:21, 27:24-27:91, 27:93-27:99, 35:10, 35:13, 35:16, 35:28, 35:63, 35:69, 35:80, 35:207, 37:01:01-37:07, 37:09-37:37, 38:03-38:04, 38:25, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:22-39:23, 39:49, 40:01:01-40:07, 40:09-40:16, 40:18-40:24, 40:26-40:40, 40:42-40:67, 40:70-40:105, 40:107-40:165, 40:167-40:226, 41:01-41:25, 42:11, 44:02:01:01-44:02:21, 44:02:23-44:05:04, 44:07-44:11, 44:13-44:165, 45:01-45:14, 47:01:01:01-47:08, 48:01:01-48:05, 48:07-48:15, 48:17-48:28, 49:01:01-49:25, 50:01:01-50:02, 50:04-50:14, 50:16-50:19, 52:01:01:01-52:31, 53:17:01-53:17:02, 53:28, 55:18, 55:34, 55:40, 78:05-78:06 |
| <b>39<sup>8,12</sup></b> | 160 bp,<br>330 bp | 1070 bp | 22, 44, 45,<br>47, 54  | *08:87, 44:02:01:01-44:02:26, 44:06, 44:08-44:09, 44:11-44:12, 44:16, 44:19N-44:24, 44:27:01-44:27:02, 44:33-44:34:02, 44:41:01-44:41:02, 44:44, 44:48-44:49, 44:52N-44:53, 44:55, 44:59:01-44:59:02, 44:63, 44:66-44:68, 44:71-44:74, 44:80, 44:83-44:84, 44:86-44:87, 44:89-44:91, 44:93, 44:95, 44:97, 44:99-44:102, 44:104, 44:106, 44:112-44:113, 44:116, 44:118-44:119, 44:121, 44:126:01-44:127, 44:131-44:132, 44:137-44:138Q, 44:142Q, 44:145, 44:148-44:149N, 44:151-44:152, 44:162, 54:01:01, 54:01:03-54:28, 83:01   |
| <b>40</b>                | 180 bp,<br>210 bp | 1070 bp | 13, 15, 18,<br>35, 39, 40,<br>54, 55, 56,<br>59, 78  | *07:65, 13:06, 13:53, 15:42, 15:86, 15:224, 18:04, 35:08:05, 35:42:02, 35:60, 35:185, 39:17, 39:63, 40:01:11, 40:58, 45:08, 46:18, 54:01:01-54:02, 54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:16-54:25, 54:27-54:28, 55:01:01-55:03, 55:05, 55:07, 55:10-55:12, 55:15-55:16, 55:18-55:19, 55:21,   |

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|--------------------------|-------------------|---------------|--|---|
| <b>41</b>                | 180 bp            | 1070 bp       | 12, 15, 21,<br>22, 44, 45,<br>49, 50, 51,<br>56, 61, 62,<br>82       | *13:03, 13:48, 15:73, 40:71, 44:10, 44:15, 44:18,<br>44:140, 45:01, 45:04-45:07, 45:11-45:14, 46:11,<br>49:01:01-49:03, 49:06, 49:08-49:17, 49:19N-49:25,<br>50:01:01-50:02, 50:04-50:08, 50:10-50:13, 50:15-<br>50:19, 51:15, 51:62, 51:106, 52:25, 54:03, 56:01:01-<br>56:02, 56:04, 56:07-56:08, 56:13-56:14, 56:16-56:17,<br>56:20:01-56:20:02, 56:24-56:30, 56:33-56:38N,<br>59:04, 82:01-82:03, <b>C*03:12, C*03:19, C*03:102</b>   |
| <b>42<sup>6</sup></b>    | 90 bp,<br>240 bp  | <b>800 bp</b> | 57   | *55:14, 57:01:01-57:44, 57:46-57:50, 57:52-57:60,<br>58:36, <b>C*06:72</b>  |
| <b>43<sup>6,11</sup></b> | 90 bp             | 1070 bp       | 5, 13, 17,<br>39, 55, 56,<br>58, 60, 61,<br>62, 71                   | *13:11, 15:18:03, 15:73, 15:224, 39:17, 40:48, 40:71,<br>51:62, 56:02, 56:04, 56:10, 58:01:01-58:02, 58:04-<br>58:29, 58:31N-58:35, 58:37-58:39N, <b>C*02:06<sup>w</sup>,</b><br><b>C*02:47<sup>w</sup></b>   |
| <b>44<sup>6</sup></b>    | 95 bp             | 1070 bp       | 8, 18, 22,<br>35, 37, 38,<br>39, 44, 51,<br>5102,<br>5103, 53,<br>78 | *07:65 <sup>w</sup> , 07:134 <sup>w</sup> , 08:32, 18:01:01:01-18:11, 18:13-<br>18:15, 18:17N-18:36, 18:38-18:47, 18:49-18:65,<br>18:67-18:83, 35:01:01:01-35:08:04, 35:08:06-<br>35:09:03, 35:11:01-35:12:03, 35:14:01-35:15, 35:17-<br>35:18, 35:20:01-35:24:02, 35:27, 35:29:01-35:45,<br>35:48, 35:50-35:62, 35:64:01-35:68:02, 35:70-35:72,<br>35:74-35:75, 35:76 <sup>w</sup> , 35:77-35:79, 35:81-35:153,<br>35:155-35:185, 35:187-35:190, 35:192-35:197,<br>35:199-35:206, 35:208-35:209, 35:211-35:216N,<br>35:218-35:220, 37:08, 38:06-38:07, 39:19:01-<br>39:19:02, 44:06, 51:01:01-51:24:04, 51:26-51:46,<br>51:48-51:103, 51:105-51:111, 51:113-51:117, 51:119-<br>51:146, 51:148, 53:01:01-53:16, 53:18-53:27, 53:29,<br>56:06 <sup>w</sup> , 78:01:01-78:04, 78:07 |
| <b>45<sup>6,9</sup></b>  | 115 bp,<br>150 bp | 1070 bp       | 15, 18,22,<br>27, 35, 39,<br>46, 55, 62,<br>72, 73, 75,<br>76        | *07:100, 13:31, 13:41, 15:01:01:01-15:01:04,<br>15:01:06-15:01:16, 15:01:18-15:01:30, 15:04,<br>15:07:01-15:08, 15:11:01-15:12, 15:14-15:15, 15:19,<br>15:24, 15:26N-15:28, 15:30, 15:32, 15:34-15:35,<br>15:38:01-15:38:02, 15:43, 15:45-15:46, 15:50, 15:53-<br>15:54, 15:56-15:58, 15:60, 15:63, 15:66, 15:68,<br>15:70-15:71, 15:73, 15:75-15:77, 15:79N, 15:81-<br>15:82, 15:85, 15:87, 15:92, 15:94N, 15:96-15:97,<br>15:101-15:102, 15:104-15:105, 15:109-15:111N,<br>15:113, 15:117-15:118, 15:120, 15:122, 15:125-<br>15:126, 15:128-15:129, 15:135, 15:137, 15:140,<br>15:142-15:149N, 15:152, 15:154, 15:157, 15:159-<br>15:160, 15:163-15:167, 15:169, 15:171-15:172,<br>15:174-15:175, 15:178, 15:180-15:184, 15:187,  |



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| <b>46<sup>13</sup></b> | 360 bp | 1070 bp | B <sup>W</sup> 4 | *07:27, 07:36, 07:38, 07:81, 07:149, 08:02-08:03, 08:52, 08:78, 13:01:01-13:04, 13:06-13:08Q, 13:10-13:23, 13:25-13:38, 13:40-13:63N, 15:13:01-15:13:02, 15:16:01-15:17:02, 15:23-15:24, 15:36, 15:43, 15:67, 15:87, 15:89, 15:95, 15:115, 15:157, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:222, 15:230, 15:254, 15:256, 18:09, 18:54, 18:67, 27:01-27:07:03, 27:09-27:11, 27:13-27:17, 27:19-27:21, 27:23-27:25, 27:27-27:32, 27:34-27:39, 27:41, 27:43, 27:45-27:88, 27:90:01-27:99, 37:01:01-37:04:02, 37:06-37:10, 37:12-37:36, 38:01:01-38:42, 40:13, 40:19, 40:47, 40:96, 40:109-40:110, 40:117, 40:157, 40:188, 40:201, 44:02:01:01-44:08, 44:10-44:45, 44:47-44:74, 44:76-44:89, 44:91-44:126:02, 44:128, 44:130, 44:132-44:165, 47:01:01:01-47:01:02, 47:03-47:08, 48:18, 49:01:01-49:20, 49:22-49:25, 51:01:01-51:24:04, 51:26-51:46, 51:48-51:148, 52:01:01:01-52:31, 53:01:01-53:29, 54:12, 56:07, 56:21, 57:01:01-57:11, 57:13-57:60, 58:01:01-58:02, 58:04-58:29, 58:31N-58:39N, 59:01:01:01-59:05 |
| <b>47</b>              | 350 bp | 1070 bp | B <sup>W</sup> 6 | *07:02:01-07:26, 07:28-07:35, 07:37, 07:39-07:80, 07:82-07:148, 07:150-07:176, 08:01:01-08:01:20, 08:04-08:05, 08:07-08:51, 08:53:01-08:77, 08:79-08:105, 13:09, 13:39, 14:01:01-14:33, 15:01:01:01-15:01:04, 15:01:06-15:12, 15:14-15:15, 15:18:01-15:21, 15:25:01-15:35, 15:37-15:40, 15:42, 15:44-15:58, 15:60-15:66, 15:68-15:86, 15:88, 15:90-15:94N, 15:96-15:99, 15:101-15:114, 15:116-15:129, 15:131-15:156, 15:158-15:161, 15:163-15:167, 15:169-15:176, 15:178-15:195, 15:197-15:207, 15:209N-15:215, 15:217-15:221, 15:223-15:229, 15:231-15:253, 15:255, 15:257-15:264, 18:01:01:01-18:08, 18:10-18:15, 18:17N-18:53, 18:55-18:66, 18:68-18:83, 27:08, 27:12, 27:18, 27:26, 27:33, 27:40, 27:42, 27:44, 27:89, 35:01:01:01-35:72,  |

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| <b>48</b> | 285 bp            | <b>800 bp</b> | 7, 703, 8, 35, 40, 41, 42, 48, 60, 61, 81   | *07:02:01-07:06, 07:08-07:18:02, 07:20-07:32, 07:34-07:39, 07:41-07:52, 07:54-07:59, 07:61-07:76, 07:79-07:83, 07:85-07:99, 07:101-07:121, 07:123-07:138, 07:140-07:164, 07:166-07:176, 08:01:01-08:05, 08:07-08:08N, 08:10-08:11, 08:13-08:15, 08:17-08:83, 08:85-08:88, 08:90-08:102, 08:104-08:105, 35:66, 35:87, 37:07, 40:15-40:16, 40:30-40:32, 40:34, 40:45, 40:59, 40:80, 40:98, 40:137, 40:160:01-40:160:02, 41:02:01-41:02:04, 41:04, 41:10-41:11, 41:13, 41:18-41:19, 41:23-41:24, 42:01:01-42:02, 42:05:01-42:07, 42:09-42:13, 42:15-42:17, 44:150, 48:01:01-48:01:03, 48:05-48:12, 48:14-48:20, 48:22, 48:27-48:28, 53:15, 81:01-81:06   |
| <b>49</b> | 165 bp,<br>190 bp | 1070 bp       | 5, 17, 21, 35, 51, 5102, 52, 56, 62, 70, 78 | *13:62, 15:01:02, 15:09, 15:243, 35:01:10, 35:04:02, 40:26, 40:28, 44:62, 49:18, 50:14, 51:01:01-51:01:03, 51:01:05-51:02:03, 51:02:05-51:09:02, 51:11N-51:12, 51:13:02-51:14, 51:16-51:23, 51:24:03-51:24:04, 51:26-51:33, 51:37-51:41N, 51:43-51:44N, 51:46, 51:48-51:61:02, 51:63-51:80, 51:82-51:91, 51:94-51:98N, 51:100-51:130, 51:132-51:142, 51:145-51:147, 52:01:01:01-52:01:04, 52:01:06-52:01:14, 52:01:16-52:13, 52:15-52:24, 52:26-52:31, 53:28, 56:05:01-56:06, 56:21, 58:08:01-58:08:02, 78:01:01-78:07  |
| <b>50</b> | 260 bp            | <b>800 bp</b> | 14, 16, 18, 51, 62, 70                      | *14:06:01-14:06:02, 14:08, 15:37-15:38:02, 15:185, 18:01:01:01-18:01:15, 18:01:17-18:01:18, 18:03-18:09, 18:12-18:13, 18:15, 18:17N-18:20, 18:23N-18:26, 18:28-18:34, 18:36-18:38, 18:40-18:43, 18:45-18:55, 18:57, 18:59-18:68, 18:70-18:83, 39:32, 39:43, 39:48, 40:51, 40:113, 40:163, 51:06:01-51:06:02, 51:45, 51:62, 51:135, 56:31, <b>C*08:51</b>  |
| <b>51</b> | 390 bp            | 1070 bp       | 18, 35, 44,                                 | *18:07:01-18:07:02, 18:29, 18:79, 27:23,  |

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| <b>52</b>             | 380 bp                         | 1070 bp | 5, 8, 17, 48, 51, 5102, 5103, 52, 57, 58, 59, 61 | *08:03, 08:52, 08:78, 40:13, 40:19, 40:109, 40:117, 48:18, 49:18, 51:01:01-51:01:07, 51:01:09-51:01:14, 51:01:16-51:12, 51:16-51:24:04, 51:26-51:36, 51:38-51:41N, 51:43-51:44N, 51:46, 51:48-51:49, 51:51-51:53, 51:55-51:61:02, 51:64-51:77, 51:79-51:84, 51:86-51:89, 51:91, 51:93-51:96, 51:98N-51:105, 51:107-51:134, 51:136-51:148, 52:01:01:01-52:11, 52:13, 52:15-52:19, 52:21-52:24, 52:27-52:31, 53:19, 56:21, 57:02:01-57:03:02, 57:05, 57:07, 57:09, 57:17, 57:39, 57:42, 57:46, 57:57, 58:08:01-58:08:02, 58:27-58:28, 59:02, <b>A*24:146</b>   |
| <b>53</b>             | 160 bp                         | 1070 bp | 44, 51, 54                                       | *08:101, 44:24, 51:39, 54:01:01-54:01:03, 54:03-54:04, 54:06-54:28, <b>C*05:30</b>   |
| <b>54<sup>6</sup></b> | 125 bp, 150 bp, 260 bp, 630 bp | 1070 bp | 17, 35, 37, 40, 44, 45, 47, 49, 57, 61           | *18:09, 18:54, 18:56, 18:67, 35:45, 35:71, 35:169, 37:06, 40:13, 40:19, 40:47, 40:96, 40:109-40:110, 40:117, 40:132, 40:157, 40:178, 40:188, 40:201, 44:02:01:01-44:165, 45:01-45:03, 45:05-45:07, 45:09, 45:11-45:14, 47:01:01:01-47:01:02, 47:03-47:08, 49:01:01-49:02, 49:04-49:20, 49:22-49:25, 50:02, 51:42, 51:112, 53:22, 57:07, 57:45, 57:51, 83:01, <b>A*24:02:37, C*15:25</b>  |
| <b>55</b>             | 235 bp                         | 1070 bp | 7, 703, 27, 35, 40, 48, 60, 61, 81               | *07:02:01-07:06, 07:08-07:11, 07:13, 07:15-07:17, 07:21-07:23, 07:25-07:30, 07:32-07:33, 07:35-07:42, 07:44-07:59, 07:61-07:76, 07:79-07:83, 07:85-07:99, 07:101-07:130, 07:132-07:136, 07:138-07:161N, 07:164-07:176, 08:40, 08:79, 27:07:01-27:07:03, 27:11, 27:24, 27:32-27:34, 27:43, 35:31, 35:66, 37:07, 40:02:01-40:03, 40:08-40:09, 40:13, 40:15-40:16, 40:18-40:19, 40:24, 40:27:01-40:27:02, 40:29, 40:31-40:32, 40:35, 40:37, 40:40, 40:45, 40:50, 40:56-40:58, 40:78, 40:80, 40:82, 40:85, 40:89-40:91, 40:94, 40:97-40:98, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:142N-40:145, 40:157, 40:164, 40:169, 40:173, 40:176, 40:180-40:181, 40:189, 40:200-40:203, 40:205-40:206, 40:209, 40:211, 40:214, 40:219-40:220, 40:224, 40:226, 41:19, 48:01:01-48:01:03, 48:04-48:16, 48:18-48:20, 48:22, 48:24, 48:27-48:28, 51:81, 58:27, 81:01-81:06, |

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| <b>56<sup>14</sup></b> | 550 bp                                 | 1070 bp       | 7, 22, 42, 45, 56, 82  | *07:04, 07:19, 07:25, 07:146, 42:01:01-42:02, 42:04-42:10, 42:12-42:17, 44:90, 45:06, 55:20, 55:56, 56:13, 82:01 <sup>w</sup> , 82:02, 82:03 <sup>w</sup> , 83:01   |
| <b>57<sup>14</sup></b> | 640 bp                                 | 1070 bp       | 7, 8, 14, 16, 22, 27, 38, 39, 3901, 3902, 42, 55, 59, 64, 65, 67, 71, 72 | *07:19, 07:31, 07:34, 07:43, 08:01:01-08:05, 08:07-08:10, 08:12:01-08:20, 08:22-08:24, 08:26-08:31, 08:33-08:39, 08:41-08:78, 08:80-08:105, 14:01:01-14:06:02, 14:08-14:18, 14:20-14:26, 14:28-14:33, 15:69, 15:93, 15:186, 15:252, 18:37, 27:15, 27:28, 27:62, 27:71, 37:28, 38:01:01-38:05, 38:09-38:21, 38:23-38:29, 38:31-38:42, 39:01:01:01-39:01:01:03, 39:01:03-39:01:05, 39:01:07-39:18, 39:20, 39:22-39:31, 39:34-39:37, 39:39:01-39:39:02, 39:41-39:46, 39:48-39:49, 39:51-39:68, 39:70-39:73, 39:75-39:79, 42:01:01-42:02, 42:04-42:17, 55:01:01-55:05, 55:10-55:21, 55:23, 55:25-55:34, 55:36-55:50, 55:52-55:57, 56:10, 56:12, 56:18, 56:23, 56:31-56:32, 59:01:01:01-59:03, 59:05, 67:01:01-67:01:02, 67:03, <b>C*07:46</b> |
| <b>58<sup>6</sup></b>  | 90 bp,<br>125 bp,<br>155 bp,<br>190 bp | 1070 bp       | 5, 17, 45, 51, 56, 60, 61, 78  | *07:65, 07:133, 39:63, 39:69, 40:43, 40:50, 40:166, 44:90, 45:06, 51:20 <sup>w</sup> , 56:05:01, 56:06, 57:45, 57:51, 58:08:01, 78:01:01-78:01:02, 78:03, 78:07   |
| <b>59</b>              | 455bp                                  | 1070 bp       | 21, 52, 60, 62   | *13:62, 15:01:02, 40:01:06, 40:26, 40:28, 40:95, 44:62, 49:18, 50:14, 52:01:01:01-52:01:04, 52:01:06-52:01:14, 52:01:16-52:05, 52:07-52:13, 52:15-52:17, 52:19-52:24, 52:26-52:31, 53:28, 58:08:01-58:08:02, 78:05-78:06  |
| <b>60<sup>6</sup></b>  | 105 bp                                 | <b>800 bp</b> | 18, 27, 35, 37, 49, 51, 52, 53   | *13:58, 15:202, 15:239, 18:01:01:01-18:06, 18:08-18:15, 18:17N-18:28, 18:30-18:32, 18:34-18:36, 18:38-18:47, 18:49-18:65, 18:67-18:78, 18:80-18:83, 35:20:01-35:20:02, 35:28, 35:72, 35:95, 37:01:01-37:01:05, 37:01:07-37:05, 37:07-37:20, 37:22-37:25, 37:27, 37:29-37:37, 40:185, 40:209, 44:83, 44:134, 49:03, 51:07:01-51:07:02, 52:01:01:01-52:01:12, 52:01:14-52:01:16, 52:03-52:05, 52:07-52:15, 52:17-52:21, 52:24-52:31, 53:09, 53:17:01-53:17:02, 53:28, 78:05-78:06   |
| <b>61<sup>6</sup></b>  | 90 bp,<br>120 bp,<br>150 bp,<br>180 bp | <b>800 bp</b> | 7, 35, 61, 62, 73  | *07:11, 07:57, 07:75, 13:39, 15:57, 15:135, 27:67, 27:75, 35:27, 35:56, 35:185, 35:203, 37:05, 40:37, 42:15, 44:75, 44:97, 73:01-73:02, 78:06   |
| <b>62</b>              | 435 bp                                 | 1070 bp       | 39, 42, 55, 56, 67   | *07:115, 14:21, 38:26, 39:10:01, 39:16, 39:20, 39:63, 42:06, 55:13, 56:11, 56:22, 67:01:01-67:01:02, 67:03  |
| <b>63<sup>6</sup></b>  | 95 bp                                  | 1070 bp       | 5, 13, 15, 16, 17, 18,   | *07:68:01-07:68:03, 07:100, 08:71, 13:01:01-13:04, 13:06-13:09, 13:11-13:20, 13:22:01-13:23,  |

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| <b>64<sup>15</sup></b>  | <b>Negative Control</b>  |

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<sup>1</sup>Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B low resolution SSP typings.

When the primers in a primer mix can give rise to HLA-specific PCR products of more than one length this is indicated if the size difference is more than 20 base pairs. Size differences of 20 base pairs or less are not given. For high resolution SSP kits the respective lengths of the HLA-specific PCR product(s) are given for the alleles amplified by these primer mixes.

Nonspecific amplifications, i.e. a ladder or a smear of bands, may sometimes be seen. GC-rich primers have a higher tendency of giving rise to nonspecific amplifications than other primers.

PCR fragments longer than the control bands may sometimes be observed. Such bands should be disregarded and do not influence the interpretation of the SSP typings.

PCR fragments migrating faster than the control bands, but slower than a 400 bp fragment may be seen in some gel read-outs. Such bands can be disregarded and do not influence the interpretation of the SSP typings.

Some primers may give rise to primer oligomer artifacts. Sometimes this phenomenon is an inherent feature of the primer pair(s) of a primer mix. More often it is due to other factors such as too low amount of DNA in the PCR reactions, taking too long time in setting up the PCR reactions, working at elevated room temperature or using thermal cyclers that are not pre-heated.

<sup>2</sup>The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B low resolution typing.

In addition, wells number 4 to 6, 10, 17, 20, 21, 28, 30, 31, 35, 42, 48, 50, 60 and 61 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

In the presence of a specific amplification the intensity of the control band often decreases.

<sup>3</sup>The serological reactivity of all HLA-B alleles is not known. In this table we use the expert-assigned serological grouping in Tissue Antigens (2009) 73:95-170 and the serological grouping of the sequence-defined allele.

<sup>4</sup>For several HLA Class I alleles 1<sup>st</sup> and/or 4<sup>th</sup> exon(s) and beyond, as well as intron nucleotide sequences, are not available. In these instances it is not known whether some of the primers of the SSP sets are completely matched with the target sequences or not. We assume that unknown sequences in these regions are conserved within allelic groups.

<sup>5</sup>Due to sharing of sequence motifs, primer mix 1 will amplify the C\*02:23 and C\*04:77 alleles, primer mix 3 will amplify the C\*03:05, C\*03:25, C\*03:27, C\*03:143 and C\*03:167 alleles, primer mix 4 will amplify the C\*01:30 and C\*12:87 alleles, primer mix 6 will amplify the A\*23:31, A\*24:106, C\*07:231 and C\*16:10 alleles, primer mixes 7 will amplify the C\*01:73, C\*07:02:30 and C\*08:16:02 alleles, primer mix 8 will amplify the C\*07:46 allele, primer mix 13 will amplify the A\*24:174 allele, primer mix 17 will amplify the C\*03:102 allele, primer mix 21 will amplify the C\*15:51 allele, primer mix 25 will amplify the C\*03:129 allele, primer mix 26 will amplify the C\*01:73 allele, primer mix 29 will amplify the C\*15:25 allele, primer mix 31 will amplify the C\*01:73 and C\*15:39 alleles, primer mix 40 will amplify the C\*15:02:04 allele, primer mix 41 will amplify the C\*03:12, C\*03:19 and C\*03:102 alleles, primer mix 42 will amplify the C\*06:72 allele, primer mix 43 will weakly amplify the C\*02:06 and C\*02:47 alleles, primer mix 45 will amplify the A\*26:68, A\*68:56, C\*02:56, C\*06:20 and C\*12:50 alleles, primer mix 50 will amplify the C\*08:51 allele, primer mix 52 will amplify the A\*24:146 allele, primer mix 53 will amplify the C\*05:30 allele, primer mix 54 will amplify the A\*24:02:37 and C\*15:25 alleles, primer mix 55 will amplify the C\*02:60 allele and primer mix 57 will amplify the C\*07:46 allele.

<sup>6</sup>HLA-specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

<sup>7</sup>Primer mix 4 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B low resolution primer mixes in the B\*40, B\*41, B\*45, B\*49 and B\*50 alleles.

<sup>8</sup>Primer mixes 4, 5 and 39 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B low resolution primer mixes.

<sup>9</sup>Primer mixes 1, 19, 20, 26 and 45 have a tendency to giving rise to primer oligomer formation.

<sup>10</sup>The C\*17:01 to C\*17:04 alleles might be faintly amplified by primer mix 25.

<sup>11</sup>Primer mixes 32 and 43 may generate a false positive band of about 800 base pairs. This band should be disregarded when interpreting HLA-B low resolution typings.

<sup>12</sup>Primer mix 39 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B low

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resolution primer mixes in the B\*54 alleles.

<sup>13</sup>The Bw4-associated HLA-A specificities A9, A23, A24, A2403, A25 and A32 are not amplified by the primer pair in primer mix 46.

<sup>14</sup>In primer mixes 56 and 57, the specific PCR product may give rise to a lower yield of HLA-specific PCR product than the other HLA-B low primer mixes.

<sup>15</sup>Primer mix 64 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by control primer pairs. PCR product sizes range from 75 to 200 base pairs. The PCR product generated by the control primer pair is 430 base pairs.

<sup>16</sup>Primer mix 4 amplifies the B\*15:143, 35:19, 40:170, 44:07 and 50:07 alleles in addition to the alleles specified in the table.

<sup>17</sup>Primer mix 26 amplifies the B\*37:06:01 allele in addition to the alleles specified in the table.

‘w’, might be weakly amplified.

‘?’, nucleotide sequence information not available for the primer matching sequence.

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| INTERPRETATION TABLE   |                   |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
|--|-------------------|------|------|-----|-----|-----|------|------|------|-----|------|------|------|------|------|------|-----|------|------|-----|-----|------|------|------|------|------|------|-----|------|-----|-----|------|
| HLA-B low resolution SSP   |                   |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
| Amplification patterns of the B*07:02 to B*83:01 alleles   |                   |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
|  | Well <sup>5</sup> |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
|  | 1                 | 2    | 3    | 4   | 5   | 6   | 7    | 8    | 9    | 10  | 11   | 12   | 13   | 14   | 15   | 16   | 17  | 18   | 19   | 20  | 21  | 22   | 23   | 24   | 25   | 26   | 27   | 28  | 29   | 30  | 31  | 32   |
| Length of spec.  | 110               | 215  | 140  | 130 | 185 | 190 | 290  | 165  | 390  | 180 | 105  | 280  | 195  | 105  | 115  | 80   | 150 | 135  | 60   | 210 | 170 | 110  | 395  | 160  | 180  | 290  | 105  | 325 | 115  | 215 | 130 | 90   |
| PCR product(s)   |                   |      | 235  | 265 | 235 |     | 330  | 220  |      |     | 195  |      |      | 435  | 395  | 150  |     |      | 400  | 245 |     |      | 425  |      |      | 465  |      |     | 160  |     | 270 | 410  |
| Length of int. pos. control <sup>1</sup>   | 800               | 1070 | 1070 | 800 | 800 | 800 | 1070 | 1070 | 1070 | 800 | 1070 | 1070 | 1070 | 1070 | 1070 | 1070 | 800 | 1070 | 1070 | 800 | 800 | 1070 | 1070 | 1070 | 1070 | 1070 | 1070 | 800 | 1070 | 800 | 800 | 1070 |
| Well No.   | 1                 | 2    | 3    | 4   | 5   | 6   | 7    | 8    | 9    | 10  | 11   | 12   | 13   | 14   | 15   | 16   | 17  | 18   | 19   | 20  | 21  | 22   | 23   | 24   | 25   | 26   | 27   | 28  | 29   | 30  | 31  | 32   |
| Well No.   | 1                 | 2    | 3    | 4   | 5   | 6   | 7    | 8    | 9    | 10  | 11   | 12   | 13   | 14   | 15   | 16   | 17  | 18   | 19   | 20  | 21  | 22   | 23   | 24   | 25   | 26   | 27   | 28  | 29   | 30  | 31  | 32   |
| HLA-B allele <sup>2,6</sup>  | ser. <sup>3</sup> |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
| *07:02:01-07:02:31, 07:02:33-07:02:37, 07:05:01-07:06, 07:10, 07:13, 07:15, 07:21-07:23, 07:26, 07:29-07:30, 07:35, 07:39, 07:41-07:42, 07:44-07:46, 07:49N, 07:52, 07:55-07:56:02, 07:58-07:59, 07:61-07:64, 07:66-07:67N, 07:70-07:72, 07:74, 07:76, 07:79-07:80, 07:82-07:83, 07:86-07:99, 07:101-07:114, 07:116-07:121, 07:124-07:130, 07:132, 07:135N-07:136, 07:138, 07:140-07:145, 07:147-07:148, 07:150-07:154, 07:156-07:161N, 07:166-07:173, 07:175-07:176 | B7, Null, -       | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      | 28  |      |     |     |      |
| *07:02:32  | -                 | 1    |      |     | 5   |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      | 28  |      |     |     |      |
| *07:03, 07:08, 07:16, 07:32, 07:37   | B703, -           | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     |      |
| *07:04, 07:25, 07:146  | B7, -             | 1    |      |     |     |     |      |      |      |     |      |      | 14   |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      | 27  | 28   |     |     |      |
| *07:07, 07:77  | B7, -             | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:09, 07:17  | B7                | 1    |      |     |     |     |      |      |      |     |      | 12   |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:11   | B7                | 1    |      |     |     |     |      |      |      |     |      | 12   |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:12, 07:14, 07:18:01-07:18:02, 07:137, 07:163   | B7, -             | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:19   | -                 |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:20, 07:24, 07:131  | B7, -             | 1    | 3    |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:27   | -                 | 1    |      |     |     |     |      |      |      |     | 11   |      |      |      |      |      |     |      |      | 20  |     |      |      |      |      |      |      |     |      |     |     |      |
| *07:28   | -                 | 1    |      |     |     | 6   |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:31, 07:34, 07:43   | B7, B42, -        | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:33, 07:40, 07:53, 07:122, 07:139, 07:165   | B7, -             |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:36, 07:81, 07:149  | -                 | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     | 28   |
| *07:38   | -                 | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      |      |      |      |      |     |      |     |     |      |
| *07:47   | -                 | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | w    |
| *07:48, 07:51, 07:155, 07:164  | -                 |      |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:50   | -                 | 1    |      |     |     |     |      |      |      |     | 11   |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     |      |
| *07:54, 07:123   | -                 | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| *07:57, 07:75  | B7, -             | 1    |      |     |     |     |      |      |      |     |      |      |      |      |      |      |     |      |      |     |     |      |      | 24   |      |      |      |     |      |     |     | 28   |
| Well No.   | 1                 | 2    | 3    | 4   | 5   | 6   | 7    | 8    | 9    | 10  | 11   | 12   | 13   | 14   | 15   | 16   | 17  | 18   | 19   | 20  | 21  | 22   | 23   | 24   | 25   | 26   | 27   | 28  | 29   | 30  | 31  | 32   |





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| Well No.   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|--|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *07:60   | -           |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:65   | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |
| *07:68:01-07:68:03   | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:69, 07:85  | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |
| *07:73   | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    | 16 |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:78   | -           | 1 |   |   |   |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:84   | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:100  | -           |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:115  | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:133  | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:134  | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 18 |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:162  | -           | 1 |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *07:174  | -           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |
| *08:01:01-08:01:20, 08:05, 08:08N, 08:10, 08:15, 08:18-08:19N, 08:22-08:24, 08:27, 08:29-08:31, 08:33-08:34, 08:39, 08:41-08:48, 08:51, 08:53:01-08:53:02, 08:56:01-08:59, 08:61, 08:63-08:64, 08:66-08:69, 08:72N-08:73, 08:75, 08:80-08:83, 08:86N, 08:90-08:93, 08:95-08:100, 08:104-08:105 | B8, Null, - |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    | 27 |    |    |    |    |    |
| *08:02   | B8          |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |
| *08:03, 08:52, 08:78   | B8, -       |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |
| *08:04   | -           |   | 2 |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:07, 08:14, 08:74, 08:77  | B8, -       |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:09, 08:84  | B8, -       |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    | 30 |    |
| *08:11   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:12:01-08:12:03, 08:16  | B8, -       |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:13, 08:20, 08:70   | -           |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |
| *08:17, 08:54  | -           |   | 2 |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:21   | -           |   | 2 | 3 |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:25   | -           |   | 2 | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |
| *08:26, 08:50, 08:62, 08:85, 08:94   | -           |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:28, 08:37  | -           |   | 2 |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:32   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    | 18 |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:35   | -           |   | 2 |   |   |   |   |   | 8 |   |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:36   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |
| *08:38   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:40   | -           |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |
| *08:49   | -           |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    | 24 |    |    |    | 27 |    |    | 29 |    |
| *08:55   | -           |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    | 24 |    |    |    |    |
| *08:60, 08:76  | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    | 29 |    |
| *08:65   | -           |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    | 27 |    |
| *08:71   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:79   | -           | 1 | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |
| *08:87   | -           |   | 2 |   |   |   |   | 6 |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    | 29 |    |
| *08:88, 08:102   | -           |   | 2 |   |   |   |   |   | 8 |   |    |    |    |    |    |    | 16 |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |
| *08:89   | -           |   | 2 |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 27 |    |    |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48    | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64    | Well No.                           |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------------------------------------|--|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | -                                  | *07:60   |
|    |    |    |    |    |    |    | 40 |    |    |    | w  |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    | 58 |    |    |    |    |       | -                                  | *07:65   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | 63    | -                                  | *07:68:01-07:68:03   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |       | -                                  | *07:69, 07:85  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |       | -                                  | *07:73   |
|    |    | 35 |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | -                                  | *07:78   |
|    |    | 35 |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | -                                  | *07:84   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | -                                  | *07:100  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | 62    | -                                  | *07:115  |
|    |    |    |    |    |    |    | 37 |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    | 58 |    |    |    |    |       | -                                  | *07:133  |
|    |    |    |    |    |    |    |    |    |    |    | w  |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |       | -                                  | *07:134  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       | -                                  | *07:162  |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |       | -                                  | *07:174  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |       | B8, Null, -                        | *08:01:01-08:01:20, 08:05, 08:08N, 08:10, 08:15, 08:18-08:19N, 08:22-08:24, 08:27, 08:29-08:31, 08:33-08:34, 08:39, 08:41-08:48, 08:51, 08:53:01-08:53:02, 08:56:01-08:59, 08:61, 08:63-08:64, 08:66-08:69, 08:72N-08:73, 08:75, 08:80-08:83, 08:86N, 08:90-08:93, 08:95-08:100, 08:104-08:105 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    | 48    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |       | B8                                 | *08:02   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    | 48    |    |    |    | 52 |    |    |    |    | 57 |    |    |    |    |    |    | B8, - | *08:03, 08:52, 08:78               |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:04                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | B8, - | *08:07, 08:14, 08:74, 08:77        |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | B8, - | *08:09, 08:84                      |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:11                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | B8, - | *08:12:01-08:12:03, 08:16          |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:13, 08:20, 08:70               |  |
|    |    |    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:17, 08:54                      |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -     | *08:21                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -     | *08:25                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:26, 08:50, 08:62, 08:85, 08:94 |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:28, 08:37                      |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:32                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:35                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:36                             |  |
|    |    |    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    |    | -     | *08:38                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | -     | *08:40                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:49                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:55                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:60, 08:76                      |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:65                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:71                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | 63    | -                                  | *08:79   |
|    |    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:87                             |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 48 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:88, 08:102                     |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |    | -     | *08:89                             |  |

Negative Control





101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63           | 64   | Well No.  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|---|
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    | 53 |    |    |    | 57 |    |    |    |    |    |              | -  | *08:101   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |              | -  | *08:103   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B13, Null, - | *13:01:01-13:01:06, 13:17, 13:20, 13:22:01-13:23, 13:25, 13:28-13:29, 13:43, 13:50, 13:52, 13:57, 13:60-13:61, 13:63N  |   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B13, Null, - | *13:02:01-13:02:05, 13:02:07, 13:02:15, 13:08Q, 13:15, 13:18-13:19, 13:27, 13:30, 13:32-13:33, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:47, 13:49N, 13:54-13:56N |   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B13          | *13:02:06  |   |
|    |    |    |    |    | 38 |    | 41 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *13:03  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |              | B15, B21   | *13:04  |
|    |    |    |    |    | 38 |    | 40 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:06  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63           | Null   | *13:07N   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:09  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:10  |
|    |    |    |    |    | 38 |    |    |    |    | 43 |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:11  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | B13, -   | *13:12-13:13  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:14  |
|    |    | 35 |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:16  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:21  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:26  |
|    |    |    |    | w  | 38 |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:31  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:34  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:35, 13:59   |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:36  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 61 |    |              | -  | *13:39  |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:41  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:46  |
|    |    | 35 |    |    | 38 |    | 41 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:48  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:51  |
|    |    |    |    |    | 38 |    | 40 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | -  | *13:53  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |              | -  | *13:58  |
|    |    | 35 |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    | 49 |    |    |    |    |    |    |    |    |    |    | 59 |    |    |              | -  | *13:62  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | B64(14), -   | *14:01:01-14:01:02, 14:12, 14:14, 14:26, 14:32  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | B65(14), B14, -  | *14:02:01-14:02:02, 14:02:04, 14:02:07-14:04, 14:09, 14:11, 14:15-14:18, 14:20, 14:22, 14:25, 14:29, 14:31, 14:33 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | B65(14), -   | *14:02:03, 14:02:06, 14:24, 14:28   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | B65(14), -   | *14:02:05, 14:30  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | -  | *14:05  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | B14  | *14:06:01-14:06:02  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | Null, -  | *14:07N, 14:19  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | -  | *14:08  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | -  | *14:10  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |              | -  | *14:13  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 62 |              | -  | *14:21  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | -  | *14:23  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |              | -  | *14:27  |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63           | 64   | Well No.  |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | Well No.   |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |    | *15:01:01-15:01:01:02N,<br>15:01:03, 15:01:06-15:01:16,<br>15:01:18, 15:01:20-15:01:30,<br>15:26N-15:27:03, 15:32,<br>15:34-15:35, 15:50, 15:56,<br>15:60, 15:70-15:71, 15:75,<br>15:79N, 15:81-15:82, 15:92,<br>15:94N, 15:96-15:97,<br>15:102, 15:104-15:105,<br>15:109-15:111N, 15:113,<br>15:117-15:118, 15:122,<br>15:125, 15:129, 15:140,<br>15:145-15:147, 15:152,<br>15:159-15:160, 15:163-<br>15:164, 15:166-15:167,<br>15:169, 15:171-15:172,<br>15:174-15:175, 15:178,<br>15:181N-15:184, 15:187,<br>15:190N, 15:192-15:193,<br>15:201, 15:203, 15:205-<br>15:206, 15:217, 15:225,<br>15:227-15:228, 15:231-<br>15:232, 15:234, 15:244-<br>15:245Q, 15:247, 15:251,<br>15:257-15:258N, 15:260-<br>15:262N, 15:264 |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    | 59 |    |    | 63 |    |    | B62(15) *15:01:02  |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |    | B62(15) *15:01:04  |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |    | Negative Control<br>B62(15), - *15:01:17, 15:01:31,<br>15:05:01-15:05:02, 15:39:01-<br>15:40, 15:65, 15:84, 15:136,<br>15:155, 15:179, 15:195,<br>15:199, 15:218Q-15:219,<br>15:237, 15:249  |  |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |    | B62(15),<br>Null, - *15:01:19, 15:28, 15:120,<br>15:149N, 15:246N  |  |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B75(15),<br>B15, - *15:02:01-15:02:06, 15:88,<br>15:112, 15:121, 15:139,<br>15:170, 15:213-15:214  |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B72(70),<br>B70, - *15:03:01-15:03:02, 15:47:01<br>15:47:02, 15:49, 15:61,<br>15:98, 15:103, 15:123,<br>15:127, 15:132, 15:151,<br>15:158, 15:173, 15:210,<br>15:220, 15:235, 15:242 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B72(70) *15:03:03  |
|    | w  |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B62(15) *15:04   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  | B62(15),<br>B15, - *15:06, 15:33, 15:78:01-<br>15:78:03, 15:107, 15:141  |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B62(15), - *15:07:01-15:07:02, 15:126  |
| 33 |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B75(15),<br>B62(15), *15:08, 15:11:01-15:11:03,<br>15:11:05, 15:15, 15:148,<br>Null, - 15:191, 15:209N, 15:215   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B70 *15:09   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    |  | B71(70), - *15:10:01, 15:90, 15:99,<br>15:133, 15:229  |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | Well No.   |  |

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 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| Well No.   |                            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |   |  |
|--|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|
| *15:10:02  | B71(70)                    |   |   |   |   |   |   | 7 | 8 |   |    |    |    |    | 14 |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:11:04  | B75(15)                    |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:12, 15:14, 15:19   | B76(15)                    |   |   |   |   |   |   | 7 |   |   |    | 12 | 13 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:13:01-15:13:02   | B77(15), -                 |   |   |   |   |   |   | 7 |   |   |    | 12 | 14 |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:16:01-15:16:02, 15:67, 15:95, 15:254   | B63(15), -                 |   |   |   |   |   |   |   |   | 9 |    | 12 | 14 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:16:03  | -                          |   |   |   |   |   |   |   |   | 9 |    | 12 | 14 |    |    |    |    |    |    | 19 |    |    |    |    |    |    | 26 |    |    |    |    |    |    |   |  |
| *15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216  | B63(15), -                 |   |   |   |   |   |   | 7 | 9 |   |    |    |    | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:18:01-15:18:02, 15:18:04-15:18:05, 15:51-15:52, 15:108, 15:114, 15:119, 15:134, 15:153, 15:176, 15:197-15:198, 15:200, 15:221, 15:226N, 15:238, 15:263 | B71(70), B70, B15, Null, - |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:18:03  | B71(70)                    |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:20   | B62(15)                    |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    | 26 |    |    |    |    |    |    |    |   |  |
| *15:21, 15:44  | B75(15), -                 |   |   |   |   |   |   | 7 |   |   |    |    | 12 | 14 |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:23, 15:115   | -                          |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:24, 15:87, 15:157  | B62(15), -                 |   |   |   |   |   |   | 7 |   |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:25:01-15:25:03, 15:204, 15:240, 15:250   | B62(15), -                 |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:29   | B15                        |   |   |   |   |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:30, 15:58, 15:63   | B62(15), -                 |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:31   | B75(15)                    |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:36   | -                          |   |   | w |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:37   | B70                        |   |   |   |   |   |   |   | 8 |   |    |    |    | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:38:01-15:38:02   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:42   | -                          |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:43, 15:256   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:45   | B62(15)                    |   |   | 3 |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:46   | B72(70)                    |   |   |   | 4 |   |   | 7 | 8 |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:48   | B62(15)                    |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:53, 15:212   | -                          |   |   |   | 4 |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:54   | -                          |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:55   | B15                        |   |   | 3 |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:57   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    | w |  |
| *15:62   | -                          |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:64:01-15:64:02   | -                          |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:66   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:68   | B35                        |   |   | 3 |   |   |   |   |   |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:69   | -                          |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    | 21 |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:72   | -                          |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:73   | B62(15)                    |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:74   | -                          |   |   |   |   |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:76   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:77   | -                          |   |   |   |   |   | 6 | 7 |   |   |    |    |    |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:80   | B70                        |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:83   | -                          |   |   |   |   |   |   | 7 | 8 |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:85   | -                          |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    | 26 |    |    |    |    |    | 30 |   |  |
| *15:86   | -                          |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:89   | -                          |   |   | w |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:91, 15:131   | -                          |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 | 13 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
| *15:93   | B71(70)                    |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63      | 64                         |  | Well No.           |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|----------------------------|--|--------------------|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B71(70)                    | *15:10:02  |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 | B75(15) | *15:11:04                  |  |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B76(15)                    | *15:12, 15:14, 15:19   |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B77(15), -                 | *15:13:01-15:13:02   |                    |
|    |    | 35 |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B63(15), -                 | *15:16:01-15:16:02, 15:67, 15:95, 15:254   |                    |
|    |    | 35 |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:16:03  |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B63(15), -                 | *15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216  |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B71(70), B70, B15, Null, - | *15:18:01-15:18:02, 15:18:04 15:18:05, 15:51-15:52, 15:108, 15:114, 15:119, 15:134, 15:153, 15:176, 15:197-15:198, 15:200, 15:221, 15:226N, 15:238, 15:263 |                    |
|    |    |    |    |    |    |    |    |    |    | 43 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B71(70)                    | *15:18:03  |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15)                    | *15:20   |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B75(15), -                 | *15:21, 15:44  |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:23, 15:115     |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15), -                 | *15:24, 15:87, 15:157  |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B62(15), -                 | *15:25:01-15:25:03, 15:204, 15:240, 15:250   |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B15                        | *15:29   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15), -                 | *15:30, 15:58, 15:63   |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B75(15)                    | *15:31   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | -                          | *15:36   |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B70                        | *15:37   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:38:01-15:38:02   |                    |
|    |    | 35 |    |    | 38 | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:42   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:43, 15:256   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15)                    | *15:45   |                    |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B72(70)                    | *15:46   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15)                    | *15:48   |                    |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:53, 15:212   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:54   |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B15                        | *15:55   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 61 | 63 | -       | *15:57                     |  |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:62             |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:64:01-15:64:02 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:66   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B35                        | *15:68   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                          | *15:69   |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:72             |
|    |    |    |    |    | 38 |    |    | 41 | 43 |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B62(15)                    | *15:73   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:74             |
| w  |    |    |    |    |    |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:76   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | -  | *15:77             |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                         | B70  | *15:80             |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:83   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:85   |                    |
|    |    |    |    |    | 38 | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:86   |                    |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | -                          | *15:89   |                    |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                          | *15:91, 15:131   |                    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 | B71(70) | *15:93                     |  |                    |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63      | 64                         |  | Well No.           |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| Well No.   |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |
|--|--------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *15:101  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |
| *15:106  | -            |   |   |   | 4 |   |   | 7 | 8 |   |    |    | 12 |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:116  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |
| *15:124  | -            |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |
| *15:128, 15:211  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:135  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:137  | -            |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:138  | -            | 1 |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:142  | -            |   | 2 |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:143  | -            |   |   |   |   |   |   | 7 | 8 |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:144  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:150, 15:188, 15:248  | -            |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:154, 15:165  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:156  | -            |   |   |   |   |   |   |   | 8 |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:161  | -            |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 13 | 14 |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:180  | -            |   | 2 |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:185  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:186  | -            |   |   |   |   |   |   |   | 8 |   |    |    | 12 | 14 |    |    |    |    |    | 19 | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:189  | -            |   |   |   |   |   | 6 | 7 |   |   |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:194  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |
| *15:202, 15:239  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 18 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:207  | -            |   |   | 3 |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:222  | -            |   |   |   |   |   |   |   |   | 9 |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:223  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    | 17 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:224  | -            |   |   |   |   |   |   | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:230  | -            | 1 |   |   |   |   |   | 7 |   | 9 |    |    | 12 | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:233  | -            |   |   |   |   |   | 6 | 7 |   |   |    |    |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:236  | -            |   |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:241  | -            | 1 |   |   |   |   |   | 7 |   |   |    |    | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:243  | -            |   |   |   |   |   |   |   | 8 |   |    |    |    | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:252  | -            |   |   |   |   |   |   |   | 8 |   |    |    |    | 14 |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:253  | -            |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *15:255  | -            |   |   |   |   |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |
| *15:259  | -            |   |   |   |   |   |   | 7 | 8 |   |    | 11 | 12 |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:01:01:18:01:03,<br>18:01:05:18:01:15, 18:01:17-<br>18:01:18, 18:03, 18:05-<br>18:06, 18:08, 18:13, 18:15,<br>18:17N-18:18, 18:23N-18:25,<br>18:28, 18:30-18:32, 18:34,<br>18:36, 18:38, 18:42-18:43,<br>18:45-18:47, 18:50-18:53,<br>18:55, 18:57, 18:59-18:60,<br>18:62-18:65, 18:68, 18:70-<br>18:71, 18:73-18:78, 18:80-<br>18:83 | B18, Null, - |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:01:04, 18:20, 18:40  | B18, -       |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:01:16, 18:02, 18:10-<br>18:11, 18:14, 18:27, 18:35,<br>18:39, 18:58  | B18, -       |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:04   | B18          |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:07:01-18:07:02   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:09   | B18          |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:12   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:19   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    | 15 |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Well No.   |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62  | 63                 | 64   | Well No.        |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------------------|--|-----------------|
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 63                 | -  | *15:101         |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                    | -  | *15:106         |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                    | -  | *15:116         |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 63                 | -  | *15:124         |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                    | -  | *15:128, 15:211 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 61 | 63  | -                  | *15:135  |                 |
|    |    | w  |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:137  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 63                 | -  | *15:138         |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 63                 | -  | *15:142         |
|    |    |    |    |    | 37 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 63                 | -  | *15:143         |
| 33 |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:144  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:150, 15:188, 15:248  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:154, 15:165  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:156  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:161  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:180  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:185  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    | 63  | -                  | *15:186  |                 |
| 33 |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:189  |                 |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:194  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 | 63  | -                  | *15:202, 15:239  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:207  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:222  |                 |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:223  |                 |
|    |    |    |    |    | 38 | 40 |    |    | 43 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:224  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:230  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:233  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:236  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:241  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:243  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    | 63  | -                  | *15:252  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:253  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | -                  | *15:255  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *15:259  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    | 60 | 63  | B18, Null, -       | *18:01:01-18:01:03,<br>18:01:05-18:01:15, 18:01:17-<br>18:01:18, 18:03, 18:05-<br>18:06, 18:08, 18:13, 18:15,<br>18:17N-18:18, 18:23N-18:25,<br>18:28, 18:30-18:32, 18:34,<br>18:36, 18:38, 18:42-18:43,<br>18:45-18:47, 18:50-18:53,<br>18:55, 18:57, 18:59-18:60,<br>18:62-18:65, 18:68, 18:70-<br>18:71, 18:73-18:78, 18:80-<br>18:83 |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    | 60 |     | B18, -             | *18:01:04, 18:20, 18:40  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 | 63  | B18, -             | *18:01:16, 18:02, 18:10-<br>18:11, 18:14, 18:27, 18:35,<br>18:39, 18:58  |                 |
|    |    |    |    |    |    |    | 40 |    |    |    |    | 44 |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    | 60 | 63  | B18                | *18:04   |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 |    | 47 |    |    | 50 | 51 |    |    |    |    |    |    |    |    |    | 63 | -   | *18:07:01-18:07:02 |  |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 | 46 |    |    | 50 |    | 54 |    |    |    |    |    |    |    |    | 60 | 63 | B18 | *18:09             |  |                 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    |    |    |    |    | 60 | 63  | -                  | *18:12   |                 |
|    |    |    |    |    |    |    |    |    |    |    |    | 44 | 45 | 47 |    | 50 |    |    |    |    |    |    |    |    |    |    | 60 | 63 | -   | *18:19             |  |                 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62  | 63                 | 64   | Well No.        |

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.   |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |
|--|--------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *18:21   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:22, 18:69  | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    | 31 |    |    |
| *18:26, 18:41  | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:29   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:33   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:37   | -            |   |   |   |   |   |   |   |   |   |    | 11 | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:44:01-18:44:02   | -            |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:48   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |
| *18:49   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:54   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 | 13 |    | 15 |    |    |    |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:56   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 | 13 |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:61   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 15 |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:66   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:67   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:72   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *18:79   | -            |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    | 15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:01   | B27          |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | w  |    |    |
| *27:02:01-27:02:02, 27:53, 27:57, 27:65N, 27:83, 27:95   | B27, Null, - |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |
| *27:03-27:05:15, 27:05:17-27:05:19, 27:06, 27:09-27:10, 27:13, 27:17, 27:20, 27:31, 27:35-27:37, 27:45-27:46, 27:48-27:51, 27:54-27:56, 27:58, 27:60-27:61, 27:64N, 27:66N, 27:68-27:69, 27:72-27:74, 27:78-27:80, 27:82, 27:84-27:88, 27:90:01-27:91, 27:93-27:94N, 27:96-27:99 | B27, Null, - |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |    |
| *27:05:16, 27:05:20, 27:21, 27:38, 27:47, 27:63, 27:70, 27:76  | B27, -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |
| *27:07:01-27:07:03, 27:11, 27:32, 27:34, 27:43   | B27, -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |
| *27:08, 27:26, 27:40, 27:42, 27:44, 27:89  | B2708, -     |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |
| *27:12   | B27          |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:14, 27:81  | B27, -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    | 24 |    |    |    |    |    |    | 28 |    |    | 32 |    |    |
| *27:15, 27:28, 27:71   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |    |
| *27:16, 27:39, 27:59N  | Null, -      |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:18   | -            |   |   |   |   | 5 |   |   |   |   |    | 11 |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:19   | B27          |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 | 17 |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |    |
| *27:23   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:24   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:25   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:27   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:29   | B27          |   |   |   |   | 5 |   |   |   |   |    | 11 |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:30   | B27          |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 | 17 |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:33   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:41   | -            |   |   |   |   | 5 |   |   |   |   |    | 12 |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:52   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:62   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:67   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:75   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    | 32 |
| *27:77   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *27:92   | -            |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    | 16 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63           | 64 | Well No.   |        |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|----|--|--------|
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |              | -  | *18:21   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    | 63 |              | -  | *18:22, 18:69  |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    | 60 |    | 63 |              | -  | *18:26, 18:41  |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 | 51 |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *18:29   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *18:33   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    | 57 |    |    |    |    | 63 |              | -  | *18:37   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    | 63 |              | -  | *18:44:01-18:44:02   |        |
|    |    |    |    |    | 37 |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *18:48   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    | 60 |    | 63 |              | -  | *18:49   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 50 |    |    |    |    | 54 |    |    |    |    |    | 60 |    | 63 |              | -  | *18:54   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    | 60 |    | 63 |              | -  | *18:56   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    | 60 |    |    |              | -  | *18:61   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *18:66   |        |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 50 |    |    |    |    | 54 |    |    |    |    |    | 60 |    | 63 |              | -  | *18:67   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    | 60 |    | 63 |              | -  | *18:72   |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 50 | 51 |    |    |    |    |    |    |    |    |    |    | 63 |              | -  | *18:79   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B27          |    | *27:01   |        |
|    |    |    | 36 |    | 38 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B27, Null, - |    | *27:02:01-27:02:02, 27:53, 27:57, 27:65N, 27:83, 27:95   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B27, Null, - |    | *27:03-27:05:15, 27:05:17-27:05:19, 27:06, 27:09-27:10, 27:13, 27:17, 27:20, 27:31, 27:35-27:37, 27:45-27:46, 27:48-27:51, 27:54-27:56, 27:58, 27:60-27:61, 27:64N, 27:66N, 27:68-27:69, 27:72-27:74, 27:78-27:80, 27:82, 27:84-27:88, 27:90:01-27:91, 27:93-27:94N, 27:96-27:99 |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B27, -       |    | *27:05:16, 27:05:20, 27:21, 27:38, 27:47, 27:63, 27:70, 27:76  |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | B27, -       |    | *27:07:01-27:07:03, 27:11, 27:32, 27:34, 27:43   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | B2708, -     |    | *27:08, 27:26, 27:40, 27:42, 27:44, 27:89  |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | B27          |    | *27:12   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | B27, -       |    | *27:14, 27:81  |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    | 57 |    |    |    |    | -            |    | *27:15, 27:28, 27:71   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | Null, -      |    | *27:16, 27:39, 27:59N  |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | -            |    | *27:18   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | B27          |    | *27:19   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    | 51 |    |    |    |    |    |    |    |    |    |    | -            |    | *27:23   |        |
|    |    |    | 33 |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    | -            |    | *27:24   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -            |    | *27:25   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63           |    | -  | *27:27 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | B27          |    | *27:29   |        |
|    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | B27          |    | *27:30   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 55 |    |    |    |    |    |    | -            |    | *27:33   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63           |    | -  | *27:41 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | -            |    | *27:52   |        |
|    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    | 57 |    |    |    |    | -            |    | *27:62   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 61 |    | -            |    | *27:67   |        |
|    |    |    | 36 |    |    |    |    |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 61 |              | -  | *27:75   |        |
|    |    |    | 36 |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | -            |    | *27:77   |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | -            |    | *27:92   |        |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63           | 64 | Well No.   |        |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| Well No.  |              | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10        | 11        | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| *35:01:01:01-35:01:09,<br>35:01:11-35:01:36, 35:07-<br>35:08:04, 35:08:06, 35:11:01-<br>35:11:03, 35:15, 35:23,<br>35:29:01-35:29:02, 35:40N-<br>35:42:01, 35:48, 35:50,<br>35:52, 35:54, 35:57,<br>35:61:01-35:61:02, 35:77,<br>35:90-35:94, 35:100-<br>35:101:02, 35:103-35:105,<br>35:107-35:108:02, 35:110-<br>35:112, 35:116, 35:120-<br>35:124, 35:126, 35:130N,<br>35:132-35:134N, 35:137-<br>35:148, 35:158-35:159,<br>35:161, 35:165N-35:166,<br>35:168, 35:170-35:171,<br>35:173N, 35:175-35:178,<br>35:180, 35:187, 35:189,<br>35:192, 35:194, 35:196-<br>35:197, 35:200, 35:202,<br>35:206, 35:208-35:209,<br>35:212, 35:216N, 35:219 | B35, Null, - |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           | 17        | 18        |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:01:10   | B35          |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           | 17        | 18        |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:02:01-35:03:02, 35:03:04-<br>35:04:01, 35:04:03, 35:06,<br>35:12:01-35:12:03, 35:33-<br>35:34, 35:36, 35:39, 35:55,<br>35:59, 35:65Q, 35:70, 35:74,<br>35:83-35:84, 35:98, 35:106,<br>35:128-35:129N, 35:136,<br>35:149-35:150, 35:152-<br>35:153, 35:155-35:156,<br>35:160, 35:162, 35:167,<br>35:172, 35:179, 35:181-<br>35:184, 35:193, 35:195,<br>35:201, 35:204, 35:211,<br>35:214, 35:220   | B35, Null, - |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:03:03   | B35          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:04:02   | B35          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:05:01-35:05:03, 35:51,<br>35:58, 35:89, 35:97   | B35, -       |          |          |          | 3        |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:08:05   | -            |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:09:01-35:09:03, 35:18,<br>35:88, 35:205   | B35, -       |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:10, 35:69, 35:80  | B35, -       |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:13  | B35          |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:14:01-35:14:02, 35:62   | B35, -       |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:16  | B35          |          |          |          | 3        |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:17, 35:30, 35:113,<br>35:125  | B35, -       |          |          |          | 3        |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:19  | B35          |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:20:01-35:20:02  | B35          |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:21, 35:24:01-35:24:02,<br>35:188, 35:190  | -            |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:22, 35:199  | -            |          |          |          | 3        |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *35:25, 35:49, 35:210   | B35, -       |          |          |          |          |          |          |          |          |          |           |           | 12        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well No.</b>   |              | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> | <b>31</b> | <b>32</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63  | 64                 | Well No.   |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------------------|--|--|
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, Null, -       | *35:01:01:01-35:01:09,<br>35:01:11-35:01:36, 35:07-<br>35:08:04, 35:08:06, 35:11:01<br>35:11:03, 35:15, 35:23,<br>35:29:01-35:29:02, 35:40N-<br>35:42:01, 35:48, 35:50,<br>35:52, 35:54, 35:57,<br>35:61:01-35:61:02, 35:77,<br>35:90-35:94, 35:100-<br>35:101:02, 35:103-35:105,<br>35:107-35:108:02, 35:110-<br>35:112, 35:116, 35:120-<br>35:124, 35:126, 35:130N,<br>35:132-35:134N, 35:137-<br>35:148, 35:158-35:159,<br>35:161, 35:165N-35:166,<br>35:168, 35:170-35:171,<br>35:173N, 35:175-35:178,<br>35:180, 35:187, 35:189,<br>35:192, 35:194, 35:196-<br>35:197, 35:200, 35:202,<br>35:206, 35:208-35:209,<br>35:212, 35:216N, 35:219 |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 49 | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:01:10  |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | Negative Control   | B35, Null, -   | *35:02:01-35:03:02, 35:03:04<br>35:04:01, 35:04:03, 35:06,<br>35:12:01-35:12:03, 35:33-<br>35:34, 35:36, 35:39, 35:55,<br>35:59, 35:65Q, 35:70, 35:74,<br>35:83-35:84, 35:98, 35:106,<br>35:128-35:129N, 35:136,<br>35:149-35:150, 35:152-<br>35:153, 35:155-35:156,<br>35:160, 35:162, 35:167,<br>35:172, 35:179, 35:181-<br>35:184, 35:193, 35:195,<br>35:201, 35:204, 35:211,<br>35:214, 35:220 |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:03:03  |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    | 49 | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:04:02  |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:05:01-35:05:03, 35:51,<br>35:58, 35:89, 35:97  |  |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *35:08:05  |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:09:01-35:09:03, 35:18,<br>35:88, 35:205  |  |
|    |    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:10, 35:69, 35:80   |  |
|    |    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:13   |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 | 45 |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:14:01-35:14:02, 35:62  |  |
|    |    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:16   |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:17, 35:30, 35:113,<br>35:125   |  |
|    |    |    |    |    |    | 37 |    |    |    |    |    |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35                | *35:19   |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    | 63 | B35 | *35:20:01-35:20:02 |  |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *35:21, 35:24:01-35:24:02,<br>35:188, 35:190   |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | -                  | *35:22, 35:199   |  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63  | B35, -             | *35:25, 35:49, 35:210  |  |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63  | 64                 | Well No.   |  |

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Lot No.: **99R**

Lot-specific information

| Well No.   |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |
|--|--------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| *35:26   | -            |   |   |   |   | 6 |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:27, 35:203   | B35, -       |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:28   | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:31   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:32:01-35:32:02, 35:37,<br>35:68:01-35:68:02, 35:99,<br>35:119  | B35, -       |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:35   | B35          |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:38   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *35:42:02  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:43:01, 35:67, 35:79,<br>35:86, 35:102, 35:117  | B35, -       |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:44   | B35          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:45, 35:71  | -            |   |   |   |   |   |   |   |   |   |    | 12 | 13 |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *35:46   | B35          |   |   |   | 4 |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |
| *35:47, 35:217   | -            |   |   |   | 4 |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:53N, 35:64:01-35:64:02,<br>35:118, 35:174  | Null, -      |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:56   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:60   | B35          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:63   | -            |   |   |   | 4 |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:66   | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:72   | -            |   |   |   | 3 |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:75, 35:127, 35:151   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:76   | B35, 22      |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |    |  |  |
| *35:78, 35:82  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:81, 35:96, 35:109,<br>35:157   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |  |  |
| *35:85   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:87   | -            |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    | 27 |    |    |    |    |  |  |
| *35:95   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:114  | -            |   |   |   | 3 |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:115  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |  |  |
| *35:131, 35:215  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:135  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:154  | -            |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:163, 35:213  | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:164  | -            |   |   |   | 3 |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:169  | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |  |  |
| *35:185  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:186  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    | 28 |    |    | 32 |  |  |
| *35:191  | -            |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:198  | -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *35:207  | -            |   |   |   | 4 |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |  |  |
| *35:218  | -            |   |   |   | 2 |   |   |   |   |   |    | 12 |    |    |    |    |    | 17 | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *37:01:01-37:01:05,<br>37:01:07, 37:01:09, 37:03N,<br>37:13, 37:15-37:20, 37:23-<br>37:25, 37:27, 37:30N-<br>37:33N, 37:36 | B37, Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    | 17 |    |    | 20 |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:01:06, 37:26   | B37, -       |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    | 17 |    |    | 20 |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:01:08, 37:09   | B37, -       |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *37:02   | -            |   |   |   |   |   | 5 |   |   |   |    |    |    |    | 13 |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *37:04:01-37:04:02   | B37, -       |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    | 17 |    |    | 20 |    |    |    |    |    |    |    |    | 29 |    | 31 |    |  |  |
| *37:05   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    | 17 |    |    | 20 |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:06   | -            |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    | 17 |    |    | 20 |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:07   | -            |   |   |   | 1 |   |   |   |   |   |    |    |    |    | 13 |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |



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101.501-48u/12u – without *Taq* polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62     | 63           | 64             | Well No.  |                        |  |  |  |        |        |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|--------------|----------------|---|------------------------|--|--|--|--------|--------|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63     | -            | *35:26         |   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 61 | 63     | B35, -       | *35:27, 35:203 |   |                        |  |  |  |        |        |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    | 63     | -            | *35:28         |   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    | 55 |    |    |    |    |    |    |    |    |        | -            | *35:31         |   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35, -         | *35:32:01-35:32:02, 35:37, 35:68:01-35:68:02, 35:99, 35:119 |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35            | *35:35  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | -              | *35:38  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    | 40 |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | -              | *35:42:02   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 | 45 |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35, -         | *35:43:01, 35:67, 35:79, 35:86, 35:102, 35:117              |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 | 45 |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35            | *35:44  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    | 54 |    |    |    |    |    |    |    |    |    |        | 63           | -              | *35:45, 35:71   |                        |  |  |  |        |        |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35            | *35:46  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | -              | *35:47, 35:217  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | Null, -        | *35:53N, 35:64:01-35:64:02, 35:118, 35:174                  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 61 | 63     | -            | *35:56         |   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    | 40 | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35            | *35:60  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    | 37 | 38 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:63                 |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 | 48 |    | 51 |    |    | 55 |    |    |    |    |    |    |    |    |        | 63           | -              | *35:66  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |        | 63           | -              | *35:72  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:75, 35:127, 35:151 |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    | w  |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | B35, 22        | *35:76  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:78, 35:82          |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        | 63           | -              | *35:81, 35:96, 35:109, 35:157                               |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:85                 |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 | 48 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:87                 |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |        | 63           | -              | *35:95  |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:114                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:115                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:131, 35:215        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:135                |  |  |  |        |        |
|    |    |    |    |    |    |    | 37 |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:154                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 | 45 |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:163, 35:213        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:164                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    | 54 |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:169                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    | 40 | 44 | 45 |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    | 61     | 63           | -              | *35:185   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:186                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:191                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:198                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:207                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |        |              | 63             | -   | *35:218                |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              |                |   |                        |  |  | *37:01:01-37:01:05, 37:01:07, 37:01:09, 37:03N, 37:13, 37:15-37:20, 37:23-37:25, 37:27, 37:30N-37:33N, 37:36 |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 60     | B37, Null, - |                |   |                        |  |  |  |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              |                |   |                        |  |  | *37:01:06, 37:26   |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 | B37, - |              |                |   |                        |  |  | *37:01:08, 37:09   |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              |                |   |                        |  |  |  | *37:02 |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 | B37, - |              |                |   |                        |  |  | *37:04:01-37:04:02   |        |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 | 61     |              |                |   |                        |  |  |  | *37:05 |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |        |              |                |   |                        |  |  |  | *37:06 |        |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 46 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |        |              |                |   |                        |  |  |  |        | *37:07 |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.   |                                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |    |    |  |  |
|--|----------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| *37:08   | B37                              |   |   |   |   |   |   |   |   |   |    |    |    | 13 |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |    |  |  |
| *37:10, 37:22, 37:29   | B37, -                           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |  |  |
| *37:11, 37:37  | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 | 18 | 20 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |    |  |  |
| *37:12   | -                                |   |   |   |   |   |   |   | 8 |   |    |    |    |    | 13 |    |    |    |    |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |    |  |  |
| *37:14   | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:21   | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    | 13 |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |  |  |
| *37:28   | -                                |   |   |   |   |   |   |   |   |   |    |    | 11 |    | 13 |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |  |  |
| *37:34   | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |  |  |
| *37:35   | -                                |   |   |   |   |   |   |   |   |   |    |    |    | 12 | 13 |    |    |    |    |    | 17 |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |  |  |
| *38:01:01-38:02:02,<br>38:02:04, 38:09, 38:11-<br>38:16, 38:18-38:19, 38:21,<br>38:23-38:24, 38:27-38:29,<br>38:31-38:32, 38:34N, 38:38-<br>38:42  | B38(16),<br>B16, Null, -         |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:02:03  | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:03   | B16                              |   |   |   |   |   |   |   | 5 |   |    |    | 11 |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:04, 38:25  | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:05, 38:33  | B38(16), -                       |   |   |   |   |   |   |   | 6 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:06   | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:07   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:08   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:10, 38:36-38:37  | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:17   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    | 13 |    |    |    |    |    |    |    | 20 | 21 | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:20   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    | 17 |    |    | 21 | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:22   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    | 16 |    |    |    |    |    | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:26   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 | 22 |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |  |  |
| *38:30   | -                                |   |   |   |   |   |   |   | 5 |   |    |    | 8  |    |    |    |    |    |    |    |    |    |    | 22 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *38:35   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:01:01:01-39:01:01:03,<br>39:01:03-39:01:05, 39:01:07-<br>39:01:08, 39:01:10-39:01:14,<br>39:03, 39:05:01-39:06:02,<br>39:09, 39:11, 39:14-39:15,<br>39:24:01, 39:26-39:29,<br>39:31, 39:35, 39:37, 39:41,<br>39:44, 39:46, 39:51-39:57,<br>39:59-39:62, 39:64-39:67,<br>39:70-39:71, 39:73, 39:75,<br>39:77, 39:79 | B3901,<br>Low B39,<br>B39(16), - |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:01:06, 39:38Q,<br>39:40:01N-39:40:02N  | B3901,<br>Null, -                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:01:09, 39:12, 39:45,<br>39:72, 39:76, 39:78  | B3901,<br>B39(16), -             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:01:15  | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:02:01, 39:08   | B3902,<br>B39(16)                |   |   |   |   |   |   |   | 5 |   |    |    | 11 |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:02:02, 39:13:01-<br>39:13:02, 39:23, 39:49   | B3902,<br>B39(16), -             |   |   |   |   |   |   |   |   |   |    |    | 11 |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:04   | B39(16)                          |   |   |   |   |   |   |   | 6 |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:07   | -                                |   |   |   |   |   |   |   | 5 |   |    |    |    | 12 |    |    |    |    |    |    |    |    |    | 21 |    | 23 | 24 |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:10:01, 39:16, 39:20  | B39(16), -                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:10:02  | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *39:17   | -                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64     |                      | Well No.  |               |        |                     |  |           |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----------------------|---|---------------|--------|---------------------|--|-----------|
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |    | B37    | *37:08               |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |    | B37, - | *37:10, 37:22, 37:29 |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |    | -      | *37:11, 37:37        |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |    | -      | *37:12               |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 | w  |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |    | -      | *37:14               |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *37:21               |   |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    | -      | *37:28               |   |               |        |                     |  |           |
|    |    |    | 36 |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    |        | -                    | *37:34  |               |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    | 63 |    |        | -                    | *37:35  |               |        |                     |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      | *38:01:01-38:02:02,<br>38:02:04, 38:09, 38:11-<br>B38(16), 38:16, 38:18-38:19, 38:21,<br>B16, Null, - 38:23-38:24, 38:27-38:29,<br>38:31-38:32, 38:34N, 38:38-<br>38:42 |               |        |                     |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      | -   | *38:02:03     |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      | B16   | *38:03        |        |                     |  |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      | -   | *38:04, 38:25 |        |                     |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      | B38(16), -  | *38:05, 38:33 |        |                     |  |           |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |                      |   | -             | *38:06 |                     |  |           |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |                      |   |               | -      | *38:07              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |                      |   |               | -      | *38:08              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               | -      | *38:10, 38:36-38:37 |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               | -      | *38:17              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               | -      | *38:20              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               | -      | *38:22              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 62 | 63     |                      |   |               | -      | *38:26              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      |   |               | -      | *38:30              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |        |                      |   |               | -      | *38:35              |  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | *39:01:01:01-39:01:01:03,<br>39:01:03-39:01:05, 39:01:07-<br>39:01:08, 39:01:10-39:01:14,<br>39:03, 39:05:01-39:06:02,<br>39:09, 39:11, 39:14-39:15,<br>39:24:01, 39:26-39:29,<br>39:31, 39:35, 39:37, 39:41,<br>39:44, 39:46, 39:51-39:57,<br>39:59-39:62, 39:64-39:67,<br>39:70-39:71, 39:73, 39:75,<br>39:77, 39:79 |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | *39:01:06, 39:38Q,<br>39:40:01N-39:40:02N  |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | B3901, Null, -   |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | B3901,<br>B39(16), - *39:01:09, 39:12, 39:45,<br>39:72, 39:76, 39:78   |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | -  | *39:01:15 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | B3902,<br>B39(16) *39:02:01, 39:08   |           |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | B3902,<br>B39(16), - *39:02:02, 39:13:01-<br>39:13:02, 39:23, 39:49  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | B39(16) *39:04   |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | -  | *39:07    |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 62 | 63     |                      |   |               |        |                     | B39(16), - *39:10:01, 39:16, 39:20   |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | -  | *39:10:02 |
|    |    |    |    |    |    |    | 40 |    |    | 43 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    |        |                      |   |               |        |                     | -  | *39:17    |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64     |                      | Well No.  |               |        |                     |  |           |

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101.501-48u/12u – without *Taq* polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| Well No.   |                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |  |
|--|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| *39:18   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:19:01  | B39(16)             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:19:02  | B39(16)             |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:22   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:24:02  | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 |    |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:25N, 39:30, 39:34  | Null,<br>B39(16), - |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |  |  |  |
| *39:32   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |  |  |  |
| *39:33, 39:47, 39:50, 39:74  | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |  |  |  |
| *39:36   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |  |  |  |
| *39:39:01  | -                   |   |   |   |   | 5 |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:39:02  | -                   |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:42   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:43   | -                   |   |   |   |   | 5 |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    | 23 | 24 |    |    |    |    |    |    |    |    |  |  |  |
| *39:48   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:58   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:63   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:68   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *39:69   | -                   |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 21 | 23 | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *40:01:01-40:01:05, 40:01:08-40:01:10, 40:01:12-40:01:17, 40:01:19-40:01:29, 40:07, 40:66, 40:73, 40:79, 40:124:01, 40:139-40:140, 40:146-40:147, 40:150, 40:152-40:153, 40:155N, 40:172, 40:186   | B60(40),<br>Null, - |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |  |  |  |
| *40:01:06  | B60(40)             |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |  |  |  |
| *40:01:07, 40:01:18, 40:72:01  | B60(40), -          |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |  |  |
| *40:01:11  | -                   |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |  |  |  |
| *40:02:01-40:02:17, 40:89, 40:94, 40:97, 40:122, 40:142N-40:144N, 40:214   | B61(40),<br>Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |  |
| *40:03   | B61(40)             |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |  |
| *40:04, 40:06:05, 40:39  | B61(40),<br>B41, -  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |  |
| *40:05   | B4005               |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |  |
| *40:06:01:01-40:06:04, 40:06:06, 40:70   | B61(40), -          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 26 |    |    |    |    |    |    |    |  |  |  |
| *40:08   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |  |  |  |
| *40:09, 40:18, 40:24, 40:27:01-40:27:02, 40:29, 40:56-40:57, 40:78, 40:82, 40:85, 40:90-40:91, 40:104, 40:107, 40:111, 40:115, 40:119, 40:145, 40:169, 40:173, 40:176, 40:180-40:181, 40:189, 40:200, 40:202-40:203, 40:205-40:206, 40:211, 40:224, 40:226 | B61(40), -          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  |    | ?  |    |    |    |    |  |  |  |
| *40:10:01  | B60(40)             |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 |    |    |    |    |    |    |    |  |  |  |
| *40:10:02, 40:135  | -                   |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 | ?  |    |    |    |    |    |    |  |  |  |
| *40:11:01-40:11:02, 40:64, 40:99, 40:120, 40:133Q, 40:225  | B61(40),<br>B40, -  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  |    | ?  |    |    |    |    |  |  |  |
| *40:12   | -                   |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    | 19 |    |    |    |    | 25 |    |    |    |    |    |    |    |  |  |  |
| *40:13   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |  |  |  |
| Well No.   |                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |  |

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 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64                  | Well No.                    |  |   |                     |  |  |   |   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|-----------------------------|--|---|---------------------|--|--|---|---|
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |    | -                   | *39:18                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B39(16)             | *39:19:01                   |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B39(16)             | *39:19:02                   |  |   |                     |  |  |   |   |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:22                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:24:02                   |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | Null,<br>B39(16), - | *39:25N, 39:30, 39:34       |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                   | *39:32                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                   | *39:33, 39:47, 39:50, 39:74 |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:36                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:39:01                   |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:39:02                   |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:42                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:43                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:48                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                   | *39:58                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 | 58 |    | 62 | 63 |    | -                   | *39:63                      |  |   |                     |  |  |   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |    | -                   | *39:68                      |  |   |                     |  |  |   |   |
|    |    |    |    |    | 37 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 58 |    |    | 63 |    | -                   | *39:69                      |  |   |                     |  |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  | *40:01:01-40:01:05, 40:01:08<br>40:01:10, 40:01:12-40:01:17,<br>40:01:19-40:01:29, 40:07,<br>40:66, 40:73, 40:79,<br>40:124:01, 40:139-40:140,<br>40:146-40:147, 40:150,<br>40:152-40:153, 40:155N,<br>40:172, 40:186 |                     |  |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 59 |    |    |    |                     |                             |  | B60(40)   | *40:01:06           |  |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   | B60(40), -          | *40:01:07, 40:01:18,<br>40:72:01   |  |   |   |
|    |    |    |    |    | 37 | 38 | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   | -                   | *40:01:11  |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |                     |                             |  |   | B61(40),<br>Null, - | *40:02:01-40:02:17, 40:89,<br>40:94, 40:97, 40:122,<br>40:142N-40:144N, 40:214 |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |                     |                             |  |   | B61(40)             | *40:03   |  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     | B61(40),<br>B41, -   | *40:04, 40:06:05, 40:39  |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     | B4005  | *40:05   |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  | B61(40), -   | *40:06:01:01-40:06:04,<br>40:06:06, 40:70 |   |
|    |    |    |    |    | 37 |    |    |    |    |    |    |    |    | 47 |    | 51 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |                     |                             |  |   |                     | -  | *40:08   |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  | *40:09, 40:18, 40:24,<br>40:27:01-40:27:02, 40:29,<br>40:56-40:57, 40:78, 40:82,<br>40:85, 40:90-40:91, 40:104,<br>40:107, 40:111, 40:115,<br>40:119, 40:145, 40:169,<br>40:173, 40:176, 40:180-<br>40:181, 40:189, 40:200,<br>40:202-40:203, 40:205-<br>40:206, 40:211, 40:224,<br>40:226 |   |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  | B60(40)  | *40:10:01                                 |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  | -  | *40:10:02, 40:135                         |   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  |  | B61(40),<br>B40, -                        | *40:11:01-40:11:02, 40:64,<br>40:99, 40:120, 40:133Q,<br>40:225 |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                             |  |   |                     |  | -  | *40:12                                    |   |
|    | 34 | 36 |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    | 51 | 52 |    |    |    | 54 | 55 |    |    |    |    |    |    |                     |                             |  |   |                     | -  | *40:13   |   |   |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64                  |                             |  |   | Well No.            |  |  |   |   |

Negative Control

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.  |                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |
|---|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| *40:14:01-40:14:03, 40:129, 40:192, 40:197  | B60(40), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:15, 40:32   | -                | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:16  | B61(40)          | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |  |
| *40:19  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  |    |    |    |    |    |    |  |  |
| *40:20  | B61(40)          |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |  |  |
| *40:21  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |    |  |  |
| *40:22N, 40:33, 40:36, 40:42, 40:49, 40:54-40:55, 40:61-40:63, 40:65, 40:67, 40:81, 40:84, 40:88, 40:92, 40:100-40:102, 40:108, 40:112, 40:114, 40:116, 40:118N, 40:123, 40:124:02-40:126, 40:128, 40:130, 40:134, 40:141, 40:151, 40:154, 40:156, 40:168, 40:171, 40:175, 40:179, 40:182, 40:187, 40:191, 40:193-40:196, 40:199, 40:204, 40:207, 40:212-40:213, 40:216N-40:218, 40:221, 40:223 | Null, B60(40), - |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:23  | -                | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |  |  |
| *40:25, 40:69   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:26  | B21              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:28  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    | 31 |  |  |
| *40:30, 40:34, 40:160:01-40:160:02  | B60(40), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:31, 40:45, 40:80  | B60(40), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:35  | B61(40)          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:37  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:38, 40:52   | B60(40), -       |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:40  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| *40:43  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:44, 40:75, 40:86, 40:103, 40:127, 40:131, 40:165, 40:167, 40:190  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |    |  |  |
| *40:46  | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    | 16 |    |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |    |  |  |
| *40:47, 40:188  | B40, -           |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:48  | B60(40)          |   |   |   | 4 |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:50  | B61(40)          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:51  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |  |  |
| *40:53, 40:72:02  | B61(40), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |    |  |  |
| *40:58  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:59  | -                |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |  |  |
| *40:60  | -                |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |  |  |
| *40:68  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:71  | -                |   |   |   | 3 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |  |  |
| *40:74, 40:149, 40:210  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:76  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 | ?  |    |    |    |    |    |  |  |
| *40:77  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |  |
| *40:83, 40:177  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |  |
| *40:87:01-40:87:02  | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |    |  |  |
| *40:93  | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    | 16 |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |  |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64                     | Well No.   |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|------------------------|--|--|
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                        | B60(40), -   | *40:14:01-40:14:03, 40:129, 40:192, 40:197 |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |            | -                      | *40:15, 40:32  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |            | B61(40)                | *40:16   |  |
|    | 34 |    | 36 | 38 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    | 52 |    | 54 | 55 |    |    |    |    |    |    |    | -          | *40:19                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B61(40)                | *40:20   |  |
|    |    |    |    | 38 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                      | *40:21   |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | Null, B60(40), -       | *40:22N, 40:33, 40:36, 40:42, 40:49, 40:54-40:55, 40:61-40:63, 40:65, 40:67, 40:81, 40:84, 40:88, 40:92, 40:100-40:102, 40:108, 40:112, 40:114, 40:116, 40:118N, 40:123, 40:124-40:126, 40:128, 40:130, 40:134, 40:141, 40:151, 40:154, 40:156, 40:168, 40:171, 40:175, 40:179, 40:182, 40:187, 40:191, 40:193-40:196, 40:199, 40:204, 40:207, 40:212-40:213, 40:216N-40:218, 40:221, 40:223 |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                      | *40:23   |  |
|    |    |    |    | 37 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                      | *40:25, 40:69  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    | 59 |    |    | 63 | B21        | *40:26                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    | 59 |    |    | 63 | -          | *40:28                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B60(40), -             | *40:30, 40:34, 40:160:01-40:160:02   |  |
| 33 |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | B60(40), - | *40:31, 40:45, 40:80   |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    | 63 | B61(40)    | *40:35                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    | 61 | -  | *40:37     |                        |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B60(40), -             | *40:38, 40:52  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | -          | *40:40                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 58 |    |    |    | -          | *40:43                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                      | *40:44, 40:75, 40:86, 40:103, 40:127, 40:131, 40:165, 40:167, 40:190   |  |
|    |    |    |    | 38 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                      | *40:46   |  |
|    |    |    |    | 38 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    | B40, -     | *40:47, 40:188         |  |  |
|    |    |    |    | 37 | 38 |    |    |    | 43 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B60(40)                | *40:48   |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    | 58 |    |    |    |    | B61(40)    | *40:50                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:51                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B61(40), -             | *40:53, 40:72:02   |  |
|    |    |    |    | 37 | 38 |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | -          | *40:58                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:59                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:60                 |  |  |
|    |    |    |    | 37 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:68                 |  |  |
|    |    |    |    | 37 | 38 |    |    | 41 | 43 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63         | -                      | *40:71   |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:74, 40:149, 40:210 |  |  |
|    |    |    |    | 38 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:76                 |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63         | -                      | *40:77   |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:83, 40:177         |  |  |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 | -          | *40:87:01-40:87:02     |  |  |
|    |    |    |    | 38 |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *40:93                 |  |  |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64                     | Well No.   |  |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.   |        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|--|--------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *40:95   | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |    |
| *40:96   | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:98   | -      | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:105  | -      |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:106  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |
| *40:109  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:110  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:113, 40:163  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |
| *40:117  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 | ?  |    |    |    |    |    |
| *40:121  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:132, 40:178  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    | 29 |    |    |    |
| *40:136  | -      | 1 |   |   | 4 |   |   |   | 8 |   |    |    |    |    | 14 |    |    |    |    |    |    |    |    |    |    | ?  | ?  | 27 |    |    |    |    |    |
| *40:137  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |
| *40:138  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |
| *40:148, 40:161  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:157, 40:201  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  |    |    |    |    |    |
| *40:158  | -      | 1 |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:159  | -      |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:162  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 | ?  |    |    |    |    |    |    |
| *40:164, 40:219  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:166  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  | 28 |    |    |    |    |
| *40:170  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |
| *40:174  | -      |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:183, 40:198  | -      | 1 |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |
| *40:184  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:185  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |
| *40:208  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |
| *40:209  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    | ?  |    |    |    |    |    |    |    |
| *40:215  | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 |    |    |    |    |    |    |
| *40:220  | -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ?  | ?  |    |    |    |    |    |    |
| *40:222  | -      |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | ?  | 25 | ?  |    |    |    |    |    |
| *41:01, 41:06-41:07, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25 | B41, - |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    | 30 |    |    |    |
| *41:02:01-41:02:04, 41:11, 41:13, 41:23                            | B41, - |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *41:03:01-41:03:02, 41:15  | B41, - |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *41:04, 41:10, 41:18   | -      |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *41:05   | -      |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    | 30 |    |    |    |
| *41:08   | -      | 1 |   |   | 4 |   |   |   | 8 |   |    |    |    |    | 14 |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *41:09   | -      |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    | 30 |    |    |
| *41:19   | -      |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *41:24   | -      |   |   |   | 4 |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *42:01:01-42:02, 42:12   | B42, - |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| *42:04   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 | 30 |    |    |    |
| *42:05:01-42:05:02   | -      | 1 |   |   |   |   |   |   | 8 |   |    |    |    |    | 14 |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| *42:06   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| *42:07   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *42:08   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    | 28 |    |    |    |    |
| *42:09   | -      |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| *42:10, 42:17  | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| *42:11   | -      |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 |    |    |    |    |    |
| *42:13   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 | 29 |    |    |    |
| *42:14   | -      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |
| Well No.   |        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63     | 64   |         | Well No. |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|--|---------|----------|
|    |    | 35 |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    | 59 |    |    | 63 |    | -      | *40:95   |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -      | *40:96   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -      | *40:98   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -      | *40:105  |         |          |
|    |    |    |    | 37 |    |    |    |    |    |    |    |    | 47 |    |    | ?  |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:106  |         |          |
| 34 |    | 36 |    | 38 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    | 52 |    | 54 |    |    |    |    |    |    |    |    | -      | *40:109  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -      | *40:110  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    | 50 |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:113, 40:163  |         |          |
| 34 |    | 36 |    | 38 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    | 52 |    | 54 |    |    |    |    |    |    |    |    | -      | *40:117  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |        | -  | *40:121 |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -      | *40:132, 40:178  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:136  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:137  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:138  |         |          |
|    |    | 35 |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:148, 40:161  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 | 55 |    |    |    |    |    |    |    | -      | *40:157, 40:201  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |        | -  | *40:158 |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:159  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    | ?  |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:162  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -      | *40:164, 40:219  |         |          |
|    |    |    |    | 37 |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    | 58 |    |    |    | -      | *40:166  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:170  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:174  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:183, 40:198  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |        | -  | *40:184 |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    | -      | *40:185  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:208  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    | 55 |    |    |    |    | 60 |    |    |    | -      | *40:209  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *40:215  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    | ?  |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -      | *40:220  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |        | -  | *40:222 |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B41, - | *41:01, 41:06-41:07, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25 |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B41, - | *41:02:01-41:02:04, 41:11, 41:13, 41:23                            |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B41, - | *41:03:01-41:03:02, 41:15  |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *41:04, 41:10, 41:18   |         |          |
|    |    |    |    | ?  | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *41:05   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *41:08   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *41:09   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -      | *41:19   |         |          |
|    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -      | *41:24   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | B42, - | *42:01:01-42:02, 42:12   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:04   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:05:01-42:05:02   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    | 62 |    | -      | *42:06   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:07   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:08   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:09   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    | 63 |    | -      | *42:10, 42:17  |         |          |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | -      | *42:11   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:13   |         |          |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | -      | *42:14   |         |          |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63     | 64   |         | Well No. |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| Well No.   |                               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|--|-------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *42:15   | -                             |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |    |
| *42:16   | -                             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    | 27 | 28 |    |    |    |    |    |
| *44:02:01:01-44:02:21,<br>44:02:23-44:02:26, 44:11,<br>44:19N, 44:21-44:23N,<br>44:27:01-44:27:02, 44:33-<br>44:34:02, 44:48, 44:52N,<br>44:55, 44:59:01-44:59:02,<br>44:63, 44:66-44:68, 44:71-<br>44:74, 44:80, 44:84, 44:86-<br>44:87, 44:89, 44:93, 44:101-<br>44:102, 44:104, 44:112-<br>44:113, 44:116, 44:118-<br>44:119, 44:121, 44:126:01-<br>44:126:02, 44:137, 44:142Q,<br>44:148-44:149N, 44:151-<br>44:152, 44:162  | B44(12),<br>Null, -           |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:02:22, 44:12   | B44(12), -                    |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:03:01-44:03:06, 44:03:08-<br>44:03:15, 44:03:18, 44:04-<br>44:05:04, 44:13, 44:26,<br>44:28:01-44:30, 44:32, 44:35-<br>44:36, 44:38-44:39, 44:42,<br>44:56N, 44:58N, 44:61N,<br>44:69-44:70, 44:76, 44:78-<br>44:79, 44:85, 44:88, 44:92,<br>44:94, 44:96, 44:98, 44:105,<br>44:108N-44:109, 44:114-<br>44:115, 44:117, 44:120,<br>44:122, 44:124-44:125,<br>44:128, 44:133, 44:136,<br>44:139, 44:141, 44:143,<br>44:147, 44:153-44:155,<br>44:157, 44:159-44:161,<br>44:163-44:165 | B44(12),<br>B21, Null, -<br>, |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:03:07, 44:03:16,<br>44:03:19, 44:07, 44:81,<br>44:103, 44:111  | B44(12), -                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:03:17  | -                             |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *44:06   | B44(12)                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 | 30 |    |    |
| *44:08   | B44(12)                       |   |   | w |   |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:09   | B45(12)                       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:10   | B44(12)                       |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:14   | B44(12)                       |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:15   | B12                           |   |   |   | 4 |   |   |   | 8 |   | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |
| *44:16, 44:91, 44:132  | B47, -                        |   |   |   | 4 |   | 6 |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:17, 44:43:01-44:43:02  | B44(12), -                    |   |   |   | 4 |   |   |   |   |   |    |    | 12 | 13 |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:18   | -                             |   |   |   | 4 |   |   |   | 8 |   | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |
| *44:20, 44:100   | -                             |   |   |   | 4 |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 | 30 |    |    |
| *44:24   | -                             |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:25, 44:50  | -                             |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |    |
| *44:31   | B44(12)                       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 |    |    |    | 29 |    |    |    |    |
| *44:37:01-44:37:02, 44:64:01-<br>44:64:02  | -                             |   |   |   | 4 |   | 6 |   |   |   |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64                        | Well No.   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|--|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 56 | 57 |    |    |    | 61 |    |            | -                         | *42:15   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    | 56 | 57 |    |    |    |    |    |            | -                         | *42:16   |
|    |    |    |    |    |    | 38 | 39 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |            | B44(12),<br>Null, -       | *44:02:01:01-44:02:21,<br>44:02:23-44:02:26, 44:11,<br>44:19N, 44:21-44:23N,<br>44:27:01-44:27:02, 44:33-<br>44:34:02, 44:48, 44:52N,<br>44:55, 44:59:01-44:59:02,<br>44:63, 44:66-44:68, 44:71-<br>44:74, 44:80, 44:84, 44:86-<br>44:87, 44:89, 44:93, 44:101-<br>44:102, 44:104, 44:112-<br>44:113, 44:116, 44:118-<br>44:119, 44:121, 44:126:01-<br>44:126:02, 44:137, 44:142Q,<br>44:148-44:149N, 44:151-<br>44:152, 44:162  |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    | B44(12), - | *44:02:22, 44:12          |  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12),<br>B21, Null, -, | *44:03:01-44:03:06, 44:03:08<br>44:03:15, 44:03:18, 44:04-<br>44:05:04, 44:13, 44:26,<br>44:28:01-44:30, 44:32, 44:35<br>44:36, 44:38-44:39, 44:42,<br>44:56N, 44:58N, 44:61N,<br>44:69-44:70, 44:76, 44:78-<br>44:79, 44:85, 44:88, 44:92,<br>44:94, 44:96, 44:98, 44:105,<br>44:108N-44:109, 44:114-<br>44:115, 44:117, 44:120,<br>44:122, 44:124-44:125,<br>44:128, 44:133, 44:136,<br>44:139, 44:141, 44:143,<br>44:147, 44:153-44:155,<br>44:157, 44:159-44:161,<br>44:163-44:165 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12), -                | *44:03:07, 44:03:16,<br>44:03:19, 44:07, 44:81,<br>44:103, 44:111  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:03:17  |
|    |    |    | 36 |    |    |    | 39 |    |    |    | 44 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12)                   | *44:06   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12)                   | *44:08   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B45(12)                   | *44:09   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12)                   | *44:10   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12)                   | *44:14   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B12                       | *44:15   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B47, -                    | *44:16, 44:91, 44:132  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12), -                | *44:17, 44:43:01-44:43:02  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:18   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:20, 44:100   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:24   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:25, 44:50  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B44(12)                   | *44:31   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -                         | *44:37:01-44:37:02, 44:64:01<br>44:64:02   |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64                        | Well No.   |



101.501-48/12 – including Taq polymerase, IFU-01  
101.501-48u/12u – without Taq polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | Well No.   |   |                                   |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---|-----------------------------------|--|
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | B44(12), - | *44:40, 44:130                              |                                   |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | B44(12), - | *44:41:01-44:41:02, 44:53, 44:99, 44:138Q   |                                   |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:44                                      |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | 63 |    | -          | *44:45, 44:51, 44:77, 44:82, 44:107, 44:123 |                                   |  |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:46, 44:129                              |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:47, 44:65                               |                                   |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:49                                      |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | B44(12)    | *44:54                                      |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:57                                      |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:60, 44:110                              |                                   |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    | 49 |    |    |    |    | 54 |    |    |    |    | 59 |    |    | 63 |    |    | -          | *44:62                                      |                                   |  |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    | 61 |    |    | -          | *44:75                                      |                                   |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    | 60 |    |    |    | -          | *44:83                                      |                                   |  |
|    |    |    |    |    | 37 | 38 | 39 |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 | 56 |    |    | 58 |    |    |    |    |    |    | -          | *44:90                                      |                                   |  |
|    | 34 |    | 36 |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    | -          | *44:95                                      |                                   |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    | 61 |    |    |            | -   | *44:97                            |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:106                           |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:127                           |  |
|    |    |    |    |    | 37 | 38 | 39 |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:131                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    | 60 |    |    |    |    |            | -   | *44:134                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | 63 |    |            | -   | *44:135                           |  |
|    |    |    |    |    | 38 |    |    | 41 |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:140                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:144                           |  |
|    |    |    |    |    | 38 | 39 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:145                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 45 | 46 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:146                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    | 48 |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:150                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:156                           |  |
|    |    |    |    |    | 38 |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *44:158                           |  |
|    |    |    |    |    | 37 | 38 |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *45:01, 45:05, 45:07, 45:11-45:13 |  |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *45:02-45:03                      |  |
|    |    |    |    |    | 37 | 38 |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *45:04                            |  |
|    |    |    |    |    | 37 | 38 |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 | 56 |    |    | 58 |    |    |    |    |    |    |            | -   | *45:06                            |  |
|    |    |    |    |    | 37 | 38 |    | 40 |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            | -   | *45:08                            |  |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    | 63 |            |   | -                                 | *45:09   |
|    |    |    |    |    | 37 | 38 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *45:10   |
|    |    |    |    |    | 37 | 38 |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |    | 63 |            |   | -                                 | *45:14   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | B46, Null, -                      | *46:01:01-46:01:05, 46:04-46:05, 46:07N, 46:09-46:10, 46:14-46:16, 46:20, 46:22-46:24, 46:26-46:31, 46:34-46:36, 46:38 |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:01:06  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:01:07  |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | B46                               | *46:02   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | B46, -                            | *46:03, 46:08, 46:13:01-46:13:03, 46:19, 46:21:01-46:21:02, 46:25  |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:06   |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:11   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:12   |
|    |    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:17   |
|    |    |    |    |    |    |    |    | 40 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:18   |
|    |    |    |    | w  |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |   | -                                 | *46:32   |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |            | Well No.                                    |                                   |  |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.   |                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |
|--|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| *46:33   | -                |   |   |   |   |   |   | 7 |   |   |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 26 |    | 28 |    |    | 31 |    |    |  |
| *47:01:01-47:01:02, 47:06-47:08  | B47, -           |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    | 32 |  |
| *47:02   | B47              |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    | 32 |  |
| *47:03   | B47              |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    | 32 |  |
| *47:04-47:05   | -                |   |   |   | 4 | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |  |
| *48:01:01-48:01:03, 48:07, 48:09, 48:11, 48:19-48:20, 48:22, 48:27                 | B48, -           |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:02:01-48:02:03, 48:25  | B48, -           |   |   |   |   |   |   |   |   |   |    | 11 | 12 |    |    |    |    | 17 |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |
| *48:03:01-48:03:02   | B48              |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |  |
| *48:04, 48:24  | B48, -           |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:05, 48:08  | B48, -           | 1 |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:06   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:10   | B48              |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:12   | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:13   | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:14   | -                |   |   |   |   |   |   |   |   |   |    | 11 | 12 |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:15   | -                | 1 |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:16   | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:17   | B48, 40          |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |    |  |
| *48:18   | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:21, 48:26  | -                |   |   |   |   | 5 |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *48:23   | -                |   |   |   |   |   |   |   |   |   |    | 11 | 12 |    |    |    |    |    |    |    |    |    |    | 24 | 25 |    |    |    |    |    |    |    |    |  |
| *48:28   | -                |   |   |   |   |   |   |   |   |   |    | 11 |    |    | 15 |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *49:01:01, 49:01:03-49:01:04, 49:06, 49:08-49:10, 49:12-49:17, 49:19N, 49:22-49:24 | B49(21), Null, - |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:01:02, 49:11   | B49(21), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:02   | B49(21)          |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:03   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:04   | -                |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:05   | B49(21)          |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:07   | -                |   |   |   | 4 |   |   |   |   |   | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:18   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:20   | -                |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:21   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *49:25   | -                |   |   | 2 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *50:01:01-50:01:03, 50:04-50:05, 50:08, 50:10-50:11, 50:13, 50:16, 50:18-50:19     | B50(21), -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:02   | B45(12)          |   |   |   | 4 |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:06   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:07   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:09   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:12   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:14   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:15   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |  |
| *50:17   | -                |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 17 | 24 |    |    |    |    |    |    |    |    |    |  |
| Well No.   |                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35    | 36 | 37    | 38    | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47   | 48    | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64  | Well No.  |
|----|----|-------|----|-------|-------|----|----|----|----|----|----|----|----|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---|---|
|    |    |       |    |       |       |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63         | -   | *46:33  |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    | 46   |       |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |            | B47, -  | *47:01:01:01-47:01:02, 47:06<br>47:08   |
|    |    |       |    |       | 37 38 |    |    |    |    |    |    |    |    | 47   |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B47   | *47:02  |
|    |    |       |    |       | w 38  |    |    |    |    |    |    |    |    | 46 w |       |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | B47        | *47:03  |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    | 46   |       |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |            | -   | *47:04-47:05  |
| 33 |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | B48, -     | *48:01:01-48:01:03, 48:07,<br>48:09, 48:11, 48:19-48:20,<br>48:22, 48:27              |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B48, -  | *48:02:01-48:02:03, 48:25   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | B48   | *48:03:01-48:03:02  |
| 33 |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | B48, -     | *48:04, 48:24   |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | B48, -     | *48:05, 48:08   |   |
| 33 |    |       |    |       |       |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -          | *48:06  |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | B48        | *48:10  |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |            | -   | *48:12  |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |            | -   | *48:13  |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |            | -   | *48:14  |
| 33 |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -          | *48:15  |   |
| 33 |    |       |    |       |       |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    | -          | *48:16  |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B48, 40    | *48:17  |   |
| 33 |    |       |    |       | 38    |    |    |    |    |    |    |    |    | 46   | 48    |    |    |    | 52 |    | 55 |    |    |    |    |    |    |    |    | -          | *48:18  |   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -   | *48:21, 48:26   |
|    |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            | -   | *48:23  |
| 33 |    |       |    |       | 38    |    |    |    |    |    |    |    |    |      | 47 48 |    |    |    |    |    | 55 |    |    |    |    |    |    |    |    |            | -   | *48:28  |
|    |    | 34 35 |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    |            | B49(21),<br>Null, -   | *49:01:01, 49:01:03-<br>49:01:04, 49:06, 49:08-<br>49:10, 49:12-49:17, 49:19N,<br>49:22-49:24 |
|    |    | 34    |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | B49(21), - | *49:01:02, 49:11  |   |
|    |    | 35    |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | B49(21)    | *49:02  |   |
|    |    | 35    |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    | -          | *49:03  |   |
|    |    | 34 35 |    |       | 38    |    |    |    |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -          | *49:04  |   |
|    |    | 34 35 |    |       | 38    |    |    |    |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | B49(21)    | *49:05  |   |
|    |    | 34 35 |    |       | 38    |    |    |    |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -          | *49:07  |   |
|    |    | 34 35 |    |       | 38    |    |    |    |    |    |    |    |    |      | 46    |    | 49 |    | 52 |    | 54 |    |    |    |    | 59 |    |    |    | -          | *49:18  |   |
|    |    | 34 35 |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -          | *49:20  |   |
|    |    | 34 35 |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *49:21  |   |
|    |    | 34 35 |    |       | 38    |    |    | 41 |    |    |    |    |    |      | 46    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | -          | *49:25  |   |
|    |    | 35    |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B50(21), - | *50:01:01-50:01:03, 50:04-<br>50:05, 50:08, 50:10-50:11,<br>50:13, 50:16, 50:18-50:19 |   |
|    |    | 35    |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    | 54 |    |    |    |    |    |    |    |    | B45(12)    | *50:02  |   |
|    |    | 35    |    | 38    |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:06  |   |
|    |    | 35    |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:07  |   |
|    |    | 35    |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:09  |   |
|    |    |       |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:12  |   |
|    |    | 35    |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    | 49 |    |    |    |    |    |    |    |    |    | 59 |    |    | -          | *50:14  |   |
|    |    | 35    |    | 37    |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:15  |   |
|    |    |       |    | 37 38 |       |    |    | 41 |    |    |    |    |    |      | 47    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -          | *50:17  |   |
| 33 | 34 | 35    | 36 | 37    | 38    | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47   | 48    | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63         | 64  | Well No.  |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| Well No.  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |
|---|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *51:01:01, 51:01:03,<br>51:01:05-51:01:07, 51:01:10-<br>51:01:14, 51:01:16-51:01:20,<br>51:01:22-51:01:24, 51:01:26-<br>51:02:01, 51:02:03, 51:02:05-<br>51:03, 51:09:01, 51:11N-<br>51:12, 51:16, 51:19, 51:21,<br>51:23, 51:26-51:33, 51:38,<br>51:40-51:41N, 51:43, 51:48-<br>51:49, 51:51-51:53, 51:55,<br>51:57-51:58, 51:60, 51:65-<br>51:67, 51:69-51:77, 51:79-<br>51:80, 51:82-51:84, 51:86-<br>51:88, 51:91, 51:94-51:96,<br>51:98N, 51:100, 51:102,<br>51:105, 51:107-51:111,<br>51:113-51:115, 51:117,<br>51:120-51:127, 51:129-<br>51:130, 51:133-51:134,<br>51:136-51:138, 51:140,<br>51:142, 51:145-51:146 | B51(5),<br>B5102,<br>B5103,<br>Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *51:01:02, 51:02:02, 51:05,<br>51:09:02, 51:89, 51:103,<br>51:116, 51:119, 51:132   | B51(5),<br>B5102, -                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *51:01:04, 51:02:04, 51:34-<br>51:35, 51:99, 51:131, 51:143   | B51(5),<br>B5102, -                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:01:08, 51:01:15,<br>51:13:02-51:14, 51:50, 51:90  | B51(5), -                              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:01:09   | B51(5)                                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    |    |
| *51:01:21, 51:01:25   | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 30 |    |
| *51:04, 51:46, 51:56:01-<br>51:56:02, 51:139  | B51(5), -                              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |
| *51:06:01-51:06:02  | B51(5), -                              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:07:01   | B51(5)                                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:07:02   | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *51:08, 51:44N, 51:141  | B51(5),<br>Null, -                     |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:10  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 30 |
| *51:13:01, 51:92  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:15  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *51:17-51:18  | B51(5)                                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:20  | -                                      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:22, 51:128  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:24:01   | B51(5)                                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:24:02   | B51(5)                                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 30 |
| *51:24:03-51:24:04  | B51(5), -                              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |    | 30 |
| *51:36  | -                                      |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:37, 51:63   | -                                      |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:39  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:42  | B44(12)                                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 | 30 |    |
| *51:45  | -                                      |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:54, 51:78:01-51:78:02   | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *51:59  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:61:01-51:61:02  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:62  | -                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| *51:64  | -                                      |   |   |   | 3 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |
| Well No.  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |





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Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | Well No.                      |  |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------------------|--|--|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                               |  | *51:01:01, 51:01:03, 51:01:05-51:01:07, 51:01:10-51:01:14, 51:01:16-51:01:20, 51:01:22-51:01:24, 51:01:26-51:02:01, 51:02:03, 51:02:05-51:03, 51:09:01, 51:11N-51:12, 51:16, 51:19, 51:21, 51:23, 51:26-51:33, 51:38, 51:40-51:41N, 51:43, 51:48-51:49, 51:51-51:53, 51:55, 51:57-51:58, 51:60, 51:65-51:67, 51:69-51:77, 51:79-51:80, 51:82-51:84, 51:86-51:88, 51:91, 51:94-51:96, 51:98N, 51:100, 51:102, 51:105, 51:107-51:111, 51:113-51:115, 51:117, 51:120-51:127, 51:129-51:130, 51:133-51:134, 51:136-51:138, 51:140, 51:142, 51:145-51:146 |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), B5102, B5103, Null, - |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), B5102, -              |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), B5102, -              |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), -                     |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5)                        |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), -                     |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 | 50 | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), -                     |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 52 |    |    |    |    |    |    |    |    | 60 |    |    | 63 |    | B51(5)                        |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 52 |    |    |    |    |    |    |    |    | 60 |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), Null, -               |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    | 41 |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5)                        |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    | w  |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5)                        |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5)                        |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | B51(5), -                     |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    | 53 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    | 54 |    |    |    |    |    |    |    |    |    |    | 63 |    | B44(12)                       |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 50 | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 | 45 | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    | 41 |    | 43 | 44 |    | 46 |    |    |    | 50 | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |
|    |    | 36 |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 |    | -                             |  |  |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| Well No.   |                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |    |    |
|--|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *51:68   | -                   |   | 2 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |    |    |
| *51:81   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |    |
| *51:85   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |
| *51:93, 51:144   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *51:97   | -                   |   |   |   |   |   |   |   | 8 |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |
| *51:101  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    | 30 |    |    |    |    |
| *51:104, 51:118N, 51:147   | Null, -             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |
| *51:106  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |    |
| *51:112  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |
| *51:135  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |    |
| *51:148  | -                   |   |   | 3 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:01:01:01-52:01:01:02,<br>52:01:03, 52:01:06-52:01:08,<br>52:01:11-52:01:12, 52:01:14,<br>52:01:16, 52:04-52:05, 52:07-<br>52:08, 52:10:01-52:11,<br>52:13, 52:15, 52:17, 52:24,<br>52:27-52:31 | B52(5), -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:01:02, 52:01:04,<br>52:01:09, 52:03, 52:09   | B52(5), -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *52:01:05, 52:01:15  | B52(5), -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:01:10  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:01:13, 52:22-52:23   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:02   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *52:06:01-52:06:02   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *52:12   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:14   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:16   | -                   |   |   |   |   |   |   |   |   |   |    |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:18   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:19   | -                   |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *52:20   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:21   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *52:25   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *52:26   | -                   |   |   |   |   |   |   |   | 6 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:01:01-53:01:07, 53:05,<br>53:08:01-53:08:02, 53:10,<br>53:16, 53:18, 53:20-53:21,<br>53:23-53:27, 53:29  | B53, -              |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:02   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |    |
| *53:03, 53:11-53:13  | B53, -              |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:04   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:06   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 | 31 |    |
| *53:07   | B53                 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:09   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:14   | -                   |   |   |   |   |   |   |   | 3 |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:15   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:17:01-53:17:02   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:19   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *53:22   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 | 13 |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |
| *53:28   | -                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |
| *54:01:01, 54:01:03, 54:07-<br>54:08N, 54:10, 54:13, 54:16-<br>54:19, 54:21-54:25, 54:27-<br>54:28   | B54(22),<br>Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |
| *54:01:02  | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |    |
| *54:02, 54:05N   | B54(22),<br>Null    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |    |    |
| *54:03   | -                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |    |
| Well No.   |                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64        | Well No.  |   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|---|---|
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:68  |   |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    | 51 | 52 |    |    | 55 |    |    |    |    |    |    |    |    | -         | *51:81  |   |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    | -         | *51:85  |   |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:93, 51:144  |   |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:97  |   |
|    |    | 35 | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:101   |   |
|    |    | 35 | 36 |    |    |    |    |    |    |    |    | 46 |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    |    | 63 | Null, -   | *51:104, 51:118N, 51:147  |   |
|    |    | 35 | 36 |    |    |    |    | 41 |    |    | 44 |    | 46 |    |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:106   |   |
|    | 34 | 35 | 36 |    |    |    |    |    |    |    |    | 46 |    | 49 |    | 51 | 52 |    |    |    | 54 |    |    |    |    |    |    |    |    | 63 | -         | *51:112   |   |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    | 49 | 50 | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 | -         | *51:135   |   |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    | -         | *51:148   |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    |    | 46 |    |    | 49 |    | 52 |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | B52(5), - | *52:01:01:01-52:01:01:02,<br>52:01:03, 52:01:06-52:01:08,<br>52:01:11-52:01:12, 52:01:14,<br>52:01:16, 52:04-52:05, 52:07<br>52:08, 52:10:01-52:11,<br>52:13, 52:15, 52:17, 52:24,<br>52:27-52:31 |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    |    | 49 |    | 52 |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | B52(5), - | *52:01:02, 52:01:04,<br>52:01:09, 52:03, 52:09  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    |    |    | 52 |    |    |    |    |    |    |    |    |    | 60 |    |    |    | 63 | B52(5), - | *52:01:05, 52:01:15   |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | -         | *52:01:10   |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 |    |    |    | 63 | -         | *52:01:13, 52:22-52:23  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 |    |    |    | 63 | -         | *52:02  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    |    | 63 | -         | *52:06:01-52:06:02  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    |    |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | -         | *52:12  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    | 63 | -         | *52:14  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 |    |    |    | 63 | -         | *52:16  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 60 |    |    |    | 63 | -         | *52:18  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | -         | *52:19  |   |
|    |    | 35 |    |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    |    |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | -         | *52:20  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 45 | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63        | -   | *52:21  |
|    |    | 35 | 36 |    |    | 38 |    | 41 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    | 63 | -         | *52:25  |   |
|    |    | 35 | 36 |    |    | 38 |    |    |    |    |    | 46 |    | 49 |    |    |    |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63        | -   | *52:26  |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    | 63        | B53, -  | *53:01:01-53:01:07, 53:05,<br>53:08:01-53:08:02, 53:10,<br>53:16, 53:18, 53:20-53:21,<br>53:23-53:27, 53:29 |
|    |    |    | 36 |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:02  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | B53, -  | *53:03, 53:11-53:13   |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:04  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:06  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | B53   | *53:07  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    | 63        | -   | *53:09  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:14  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    | 48 |    | 51 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:15  |
|    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 60 |    |    |    | 63        | -   | *53:17:01-53:17:02  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 | 52 |    |    |    |    |    |    |    |    |    |    |    |    | 63        | -   | *53:19  |
|    |    |    |    |    |    |    |    |    |    |    | 44 |    | 46 |    |    |    | 51 |    |    |    | 54 |    |    |    |    |    |    |    |    |    | 63        | -   | *53:22  |
|    |    |    |    |    |    |    |    |    |    |    | 46 |    |    | 49 |    |    |    |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63        | -   | *53:28  |
|    |    |    |    |    |    |    | 39 | 40 |    |    |    |    | 47 |    |    |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |    | 63        | B54(22),<br>Null, -   | *54:01:01, 54:01:03, 54:07-<br>54:08N, 54:10, 54:13, 54:16-<br>54:19, 54:21-54:25, 54:27-<br>54:28          |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    | 47 |    |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |    |    | 63        | -   | *54:01:02   |
|    |    |    |    |    |    |    | 39 | 40 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63        | B54(22),<br>Null  | *54:02, 54:05N  |
|    |    |    |    |    |    |    | 39 | 41 |    |    |    |    | 47 |    |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |    |    | 63        | -   | *54:03  |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64        | Well No.  |   |

Negative Control



101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 "Instructions for Use" (IFU)

**Lot No.: 99R**

**Lot-specific information**

| Well No.   |                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |  |    |    |    |    |    |    |    |    |
|--|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|----|----|----|----|----|----|----|----|
| *54:04   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:06   | -                     |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:09, 54:14  | -                     |   |   |   |   |   |   |   |   |   |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:11   | B54(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:12   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:15   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:20   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *54:26   | -                     |   |   |   |   |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:01:01-55:01:06, 55:01:08-55:01:10, 55:03, 55:05, 55:11, 55:15, 55:25, 55:29, 55:31, 55:33, 55:36, 55:38, 55:44-55:45, 55:52-55:55N | B55(22), B22, Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *55:01:07, 55:02:01-55:02:06, 55:10, 55:12, 55:16, 55:19, 55:26, 55:30, 55:37, 55:39, 55:42-55:43, 55:47-55:48, 55:50, 55:57           | B55(22), B22, -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    |    | 28 |    |    |    | 32 |
| *55:04, 55:49  | B55(22), -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *55:07, 55:35  | B54(22), -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:08   | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:09, 55:24  | B22, -                |   |   |   |   |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:13   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:14   | -                     |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:17, 55:28  | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:18   | -                     |   |   |   |   |   |   |   |   |   |    | 11 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    |    |    |    | 32 |    |    |
| *55:20   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  | 27 | 28 |    | 30 | 32 |    |    |    |
| *55:21   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:22   | B55(22)               |   |   |   |   |   |   |   |   |   |    | 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:23, 55:32, 56:18, 56:32 <sup>4</sup>   | -                     |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:27, 55:46  | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:34   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:40   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:41   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:51   | -                     |   |   |   | 3 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *55:56   | -                     |   |   |   |   |   |   |   |   |   |    | 8  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    | 30 |    | 32 |    |    |
| *56:01:01-56:01:03, 56:08, 56:14, 56:16, 56:24, 56:26-56:30, 56:34-56:36, 56:38N   | B56(22), Null, -      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:01:04, 56:20:01  | B56(22), -            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:02, 56:04  | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:03   | B22                   |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:05:01  | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:05:02  | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:06   | B78                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:07   | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:09   | -                     |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:10   | B55(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:11   | B56(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:12   | B55(22)               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:13   | B56(22)               |   |   |   |   |   |   |   |   |   |    | 8  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    | 30 |    | 32 |    |    |
| *56:15, 56:19N   | B56(22), Null         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:17, 56:33  | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    |    |    |    |    | 32 |    |    |
| *56:20:02  | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    |    |    |  |  |    |    | 28 |    |    |    | 32 |    |
| *56:21   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |
| *56:22   | -                     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |    | 28 |    |    |    | 32 |    |    |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62      | 63                       | 64  | Well No.      |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--------------------------|---|---------------|
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:04  |               |
|    |    |    |    |    |    | 39 |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:06  |               |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:09, 54:14   |               |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | B54(22) | -                        | *54:11  |               |
| 34 |    |    |    |    |    | 39 | 40 |    |    |    |    |    | 46 |    |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:12  |               |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    |         |                          | -   | *54:15        |
|    | 35 |    |    |    |    | 39 | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:20  |               |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    | 53 |    |    |    |    |    |    |    |    | 63      | -                        | *54:26  |               |
|    |    | 35 |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | B55(22),<br>B22, Null, - | *55:01:01-55:01:06, 55:01:08,<br>55:01:10, 55:03, 55:05,<br>55:11, 55:15, 55:25, 55:29,<br>55:31, 55:33, 55:36, 55:38,<br>55:44-55:45, 55:52-55:55N |               |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | B55(22),<br>B22, -       | *55:01:07, 55:02:01-<br>55:02:06, 55:10, 55:12,<br>55:16, 55:19, 55:26, 55:30,<br>55:37, 55:39, 55:42-55:43,<br>55:47-55:48, 55:50, 55:57           |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |         | 63                       | B55(22), -  | *55:04, 55:49 |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B54(22), -               | *55:07, 55:35   |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | 63                       | B56(22)   | *55:08        |
| 35 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B22, -                   | *55:09, 55:24   |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 62 | 63      | -                        | *55:13  |               |
|    |    |    |    |    |    |    |    |    | 42 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:14  |               |
|    | 35 |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:17, 55:28   |               |
|    |    |    |    |    | 38 | 40 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:18  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    |         | -                        | *55:20  |               |
| w  |    |    |    |    |    | 40 |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 | -       | *55:21                   |   |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B55(22)                  | *55:22  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:23, 55:32, 56:18, 56:32 <sup>d</sup>  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:27, 55:46   |               |
|    |    |    |    |    |    | 38 | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:34  |               |
|    | 35 |    |    |    | 38 | 40 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | -                        | *55:40  |               |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    |         | -                        | *55:41  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | -                        | *55:51  |               |
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    | 56 | 57 |    |    |    |    | 63      | -                        | *55:56  |               |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B56(22),<br>Null, -      | *56:01:01-56:01:03, 56:08,<br>56:14, 56:16, 56:24, 56:26-<br>56:30, 56:34-56:36, 56:38N   |               |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | B56(22), -               | *56:01:04, 56:20:01   |               |
|    |    |    |    |    |    |    |    | 41 | 43 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B56(22)                  | *56:02, 56:04   |               |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B22                      | *56:03  |               |
| 35 |    |    |    |    |    | 40 |    |    |    |    |    |    |    | 47 | 49 |    |    |    |    |    |    |    |    |    | 58 |    |    |    | 63      | B56(22)                  | *56:05:01   |               |
| 35 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 49 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B56(22)                  | *56:05:02   |               |
| 35 |    |    |    |    |    | 40 |    |    |    | w  |    |    |    | 47 | 49 |    |    |    |    |    |    |    |    |    | 58 |    |    |    | 63      | B78                      | *56:06  |               |
|    |    |    |    |    |    |    | 41 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B56(22)                  | *56:07  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                        | *56:09  |               |
|    |    |    |    |    |    | 40 |    |    | 43 |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | B55(22)                  | *56:10  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 62 | 63      | B56(22)                  | *56:11  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63      | B55(22)                  | *56:12  |               |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 56 |    |    |    |    | 63      | B56(22)                  | *56:13  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | B56(22),<br>Null         | *56:15, 56:19N  |               |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63      | -                        | *56:17, 56:33   |               |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | -                        | *56:20:02   |               |
| 34 | 35 |    |    |    |    |    |    |    |    |    |    |    | 46 |    | 49 |    | 52 |    |    |    |    |    |    |    |    |    |    |    | 63      | -                        | *56:21  |               |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 62      | 63                       | -   | *56:22        |

Negative Control



101.501-48/12 – including Taq polymerase, IFU-01  
101.501-48u/12u – without Taq polymerase, IFU-02

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“Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| Well No.   |                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |
|--|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| *56:23   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *56:25, 56:37  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |
| *56:31   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 | 32 |    |
| *57:01:01-57:01:04, 57:01:06-57:01:14, 57:06, 57:08, 57:10, 57:15-57:16, 57:18-57:20, 57:22-57:23, 57:25-57:27, 57:29-57:30, 57:33-57:38, 57:40, 57:43-57:44, 57:48-57:50, 57:52-57:56, 57:58, 57:60 | B57(17), -       |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:01:05, 57:13, 57:31, 57:47   | B57(17), -       |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:02:01-57:03:02, 57:17, 57:39, 57:42, 57:46, 57:57  | B57(17), -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:04   | B57(17)          |   |   |   |   |   | 6 |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:05   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |    |
| *57:07   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |
| *57:09   | -                |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |
| *57:11, 57:21  | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:12   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:14   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |
| *57:24   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |    |
| *57:28N  | Null             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:32   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:41   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:45, 57:51  | -                |   |   |   | 4 |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *57:59   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    | 25 |    |    |    |    |    |    |    |    |    |
| *58:01:01-58:01:02, 58:01:04-58:01:12, 58:04-58:05, 58:10N-58:15, 58:19, 58:21-58:24, 58:29, 58:31N-58:33, 58:35, 58:37, 58:39N  | B58(17), Null, - |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:01:03  | B58(17)          |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:02, 58:06, 58:16, 58:25-58:26, 58:38   | B58(17), -       |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:07   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:08:01  | B17              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30 |    |
| *58:08:02  | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:09   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |    |
| *58:17N  | Null             |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:18   | -                |   |   |   | 3 |   |   |   |   |   |    |    | 12 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:20   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:27   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:28   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:34   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *58:36   | -                |   |   |   |   |   |   |   |   |   |    |    | 12 |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    | 26 |    |    |    |    |    |    |    |    |
| *59:01:01:01-59:01:01:02, 59:05  | B59, -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *59:02   | B59              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *59:03   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *59:04   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *67:01:01  | B67              |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    | 28 |    |    |    |    |    |    |    |
| *67:01:02  | B67              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    | 28 |    |    |    |    |    |    |    |
| *67:02   | -                |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    | 28 |    |    |    |    |    |    |    |
| *67:03   | -                |   |   |   |   | 5 |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    | 24 |    |    |    | 28 |    |    |    |    |    |    |    |
| *73:01-73:02   | B73, -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    | 28 |    |    |    |    |    |    |    |
| *78:01:01-78:01:02, 78:07  | B78, -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| *78:02:01, 78:04   | B78, -           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Well No.   |                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |    |    |    |



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 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: 99R

Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64               | Well No.   |           |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------|--|-----------|
|    |    |    |    |    |    |    | 40 |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |    | -                | *56:23   |           |
|    |    | 35 |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *56:25, 56:37  |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    | 50 |    |    |    |    |    |    |    | 57 |    |    |    |    | 63 |    | -                | *56:31   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B57(17), -       | *57:01:01-57:01:04, 57:01:06-57:01:14, 57:06, 57:08, 57:10, 57:15-57:16, 57:18-57:20, 57:22-57:23, 57:25-57:27, 57:29-57:30, 57:33-57:38, 57:40, 57:43-57:44, 57:48-57:50, 57:52-57:56, 57:58, 57:60 |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B57(17), -       | *57:01:05, 57:13, 57:31, 57:47   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    | 63 |    | B57(17), -       | *57:02:01-57:03:02, 57:17, 57:39, 57:42, 57:46, 57:57  |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |                  | B57(17)  | *57:04    |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    |    |    |                  | -  | *57:05    |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    | 52 |    | 54 |    |    |    |    |    |    |    | 63 |    | -                | *57:07   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:09   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:11, 57:21  |           |
|    |    |    |    |    |    |    |    |    | 42 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:12   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:14   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:24   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | Null             | *57:28N  |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -                | *57:32   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -                | *57:41   |           |
|    |    | 34 | 36 |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    | 54 |    |    |    | 58 |    |    |    | 63 |    | -                | *57:45, 57:51  |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *57:59   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B58(17), Null, - | *58:01:01-58:01:02, 58:01:04-58:01:12, 58:04-58:05, 58:10N-58:15, 58:19, 58:21-58:24, 58:29, 58:31N-58:33, 58:35, 58:37, 58:39N  |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |                  | B58(17)  | *58:01:03 |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | B58(17), -       | *58:02, 58:06, 58:16, 58:25-58:26, 58:38   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:07   |           |
|    |    | 35 | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    | 49 |    |    | 52 |    |    |    |    |    |    | 58 | 59 |    | 63 |    | B17              | *58:08:01  |           |
|    |    | 35 | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    | 49 |    |    | 52 |    |    |    |    |    |    |    | 59 |    | 63 |    | -                | *58:08:02  |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:09   |           |
|    |    |    |    |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | Null             | *58:17N  |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:18   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:20   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    | 52 |    |    | 55 |    |    |    |    |    |    | 63 |    | -                | *58:27   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:28   |           |
|    |    |    | 36 |    |    |    |    |    |    | 43 |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:34   |           |
|    |    |    | 36 |    |    |    |    |    | 42 |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *58:36   |           |
|    |    | 34 |    |    |    |    | 40 |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | B59, -           | *59:01:01:01-59:01:01:02, 59:05  |           |
|    |    | 34 |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    | 52 |    |    |    |    |    | 57 |    |    |    | 63 |    | B59              | *59:02   |           |
|    |    | 34 |    |    |    |    |    |    |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 63 |    | -                | *59:03   |           |
|    |    | 34 |    |    |    |    |    | 41 |    |    |    |    |    | 46 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *59:04   |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 62 | 63 |                  | B67  | *67:01:01 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 62 | 63 |                  | B67  | *67:01:02 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 63 |    | -                | *67:02   |           |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    | 62 |    | -                | *67:03   |           |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    | 47 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 61 |    | B73, -           | *73:01-73:02   |           |
|    |    | 35 |    |    |    |    | 40 |    |    |    | 44 |    |    | 47 |    | 49 |    |    | 51 |    |    |    |    |    |    | 58 |    |    | 63 |    | B78, -           | *78:01:01-78:01:02, 78:07  |           |
|    |    | 35 |    |    |    |    |    |    |    |    | 44 |    |    | 47 |    | 49 |    |    | 51 |    |    |    |    |    |    |    |    |    | 63 |    | B78, -           | *78:02:01, 78:04   |           |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64               | Well No.   |           |

Negative Control



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 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: 99R

## Lot-specific information

| Well No.   |         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |
|--|---------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| *78:02:02  | B78     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *78:03   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *78:05   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 18 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *78:06   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| *81:01   | B81     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |  |
| *81:02   | B81     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 24 |    |    |    |    | 28 |    |    |    |    |  |
| *81:03-81:06                                     | Null, - |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28 |    |    |    |    |  |
| *82:01, 82:03                                    | B82, -  |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |  |
| *82:02   | -       |   |   |   |   |   |   |   | 8 |   |    | 11 |    |    |    |    |    |    |    | 19 |    |    |    |    |    |    |    |    | 28 |    |    |    | 32 |  |
| *83:01   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    | 28 | 29 |    |    | 32 |  |
| A*23:31, A*24:106,<br>C*07:231, C*16:10          | -       |   |   |   |   |   | 6 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| A*24:02:37                                       | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| A*24:146   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| A*24:174   | -       |   |   |   |   |   |   |   |   |   |    |    |    | 13 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| A*26:68, A*68:56, C*02:56,<br>C*06:20, C*12:50   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*01:30, C*12:87                                 | -       |   |   |   | 4 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*01:73  | -       |   |   |   |   |   |   |   | 7 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26 |    |    |    |    | 31 |  |
| C*02:06, C*02:47                                 | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*02:23, C*04:77                                 | -       | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*02:60  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*03:05, C*03:25, C*03:27,<br>C*03:143, C*03:167 | -       |   |   |   | 3 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*03:12, C*03:19                                 | Cw3, -  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*03:102   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | 17 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*03:129   | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25 |    |    |    |    |    |  |
| C*05:30  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*06:72  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*07:02:30, C*08:16:02                           | -       |   |   |   |   |   |   |   | 7 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*07:46  | -       |   |   |   |   |   |   |   | 8 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*08:51  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*15:02:04                                       | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| C*15:25  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 29 |    |  |
| C*15:39  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 31 |  |
| C*15:51  | -       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |    |    |    |    |    |    |    |  |
| Well No.   |         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |  |



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Lot-specific information

| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64      | Well No.   |   |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--|---|
|    |    | 35 |    |    |    |    | 40 |    |    |    | 44 |    |    | 47 |    | 49 |    | 51 |    |    |    |    |    |    |    |    |    |    |    | 63 | B78     | *78:02:02  |   |
|    |    | 35 |    |    |    |    | 40 |    |    |    | 44 |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    | 58 |    |    |    |    | 63 | -       | *78:03   |   |
|    |    | 35 |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    | 59 | 60 |    |    | 63 | -       | *78:05   |   |
|    |    | 35 |    |    |    | 38 |    |    |    |    |    |    |    | 47 |    | 49 |    |    |    |    |    |    |    |    |    | 59 | 60 | 61 |    | 63 | -       | *78:06   |   |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | B81     | *81:01   |   |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | B81     | *81:02   |   |
| 33 |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 | 48 |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    |    | Null, - | *81:03-81:06                                     |   |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    | w  |    |    |    |    |    |    | 63 | B82, -  | *82:01, 82:03                                    |   |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    | 56 |    |    |    |    |    |    | 63 | -       | *82:02   |   |
|    |    |    |    |    |    | 39 |    |    |    |    |    |    |    | 47 |    |    |    |    |    |    |    |    | 54 | 56 |    |    |    |    |    |    | -       | *83:01   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         | -  | A*23:31, A*24:106,<br>C*07:231, C*16:10 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 54 |    |    |    |    |    |    |    | -       | A*24:02:37                                       |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | A*24:146   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | A*24:174   |   |
|    |    |    |    |    |    |    |    |    |    |    |    | 45 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | A*26:68, A*68:56, C*02:56,<br>C*06:20, C*12:50   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*01:30, C*12:87                                 |   |
|    |    |    |    |    |    |    |    | w  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*01:73  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*02:06, C*02:47                                 |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*02:23, C*04:77                                 |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 55 |    |    |    |    |    |    | -       | C*02:60  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*03:05, C*03:25, C*03:27,<br>C*03:143, C*03:167 |   |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Cw3, -  | C*03:12, C*03:19                                 |   |
|    |    |    |    |    |    |    |    | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*03:102   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*03:129   |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 53 |    |    |    |    |    |    | -       | C*05:30  |   |
|    |    |    |    |    |    |    |    |    |    | 42 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*06:72  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*07:02:30, C*08:16:02                           |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 57 |    |    |    |    | -       | C*07:46  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*08:51  |   |
|    |    |    |    |    |    |    |    | 40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*15:02:04                                       |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*15:25  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*15:39  |   |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | -       | C*15:51  |   |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64      | Well No.   |   |

Negative Control

101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

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<sup>1</sup>The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B low resolution typing.

In addition, wells number 4 to 6, 10, 17, 20, 21, 28, 30, 31, 35, 42, 48, 50, 60 and 61 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

<sup>2</sup>The sequence of the B\*0701 allele has been shown to be in error.

The sequence of the B\*08:06 allele has been shown to be identical to B\*08:20.

The sequence of the B\*1305 allele has been shown to be identical to B\*13:04.

The B\*1324 allele has been renamed B\*13:22:02

The B\*150105 allele has been corrected and renamed B\*15:120

The B\*1522 allele has been renamed B\*35:43.

The sequence of the B\*1541 allele has been shown to be identical to B\*15:39.

The B\*1559 allele has been renamed B\*35:44.

The B\*15:100 allele has never been assigned.

The sequence of the B\*1816 allele has been shown to be identical to B\*18:14.

The sequence of the B\*27051 allele has been shown to be identical to B\*27:05:02.

The sequence of the B\*2722 allele has been shown to be identical to the corrected B\*27:06 sequence.

The B\*35:43:02 allele has been renamed B\*35:185.

The B\*3573 allele has been renamed B\*35:08:03.

The sequence of the B\*39012 allele has been shown to be identical to B\*39:01:01:01.

The sequence of the B\*3921 allele has been shown to be identical to B\*39:24.

The sequence of the B\*4017 allele has been shown to be identical to B\*40:16.

The sequence of the B\*4041 allele has been shown to be identical to B\*40:40.

The sequence of the B\*4203 allele has never been assigned.

The sequence of the B\*4401 allele has been shown to be identical to B\*44:02:01:01.

The sequence of the B\*5003 allele has been shown to be identical to B\*50:02.

The sequence of the B\*5125 allele has been shown to be identical to B\*51:22.

The B\*5147 allele has been renamed B\*51:09:02.

The sequence of the B\*5506 allele has been shown to be identical to B\*55:04.

The sequence of the B\*5803 allele has never been assigned.

The sequence of the B\*5830 allele has been shown to be identical to B\*58:01.

The B\*7901 allele has been renamed B\*15:18:01.

The B\*9530 allele has been renamed B\*15:27:02.

<sup>3</sup>The serological reactivity of all HLA-B alleles is not known. In this table we use the expert-assigned serological grouping in Tissue Antigens (2009) 73:95-170 and the serological grouping of the sequence-defined allele.

<sup>4</sup>The B\*55:23 and 55:32 and the B\*56:18 and 56:32 alleles give rise to identical amplification patterns with the HLA-B low resolution primer set. These alleles can be separated by the respective high resolution primer sets.

<sup>5</sup>Primer mix 64 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by control primer pairs. PCR product sizes range from 75 to 200 base pairs. The PCR product generated by the control primer pair is 430 base pairs.

<sup>6</sup>Primer mix 4 amplifies the B\*15:143, 35:19, 40:170, 44:07 and 50:07 alleles, and primer mix 26 amplifies the B\*37:06:01 allele in addition to the alleles specified in the tables.

‘ser’, serological HLA specificity.

‘w’, might be weakly amplified.

‘?’, nucleotide sequence information not available for the primer matching sequence.

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Lot-specific information

## Primers

| Well No.                                 | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                 | 9                | 10               | 11               | 12                             |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|--------------------------------|
| Length of spec. PCR product(s)           | 110              | 215              | 140<br>235       | 130<br>265       | 185<br>235       | 190              | 290              | 165<br>220<br>330 | 390              | 180              | 105<br>195       | 280                            |
| Length of int. pos. control <sup>1</sup> | 800              | 1070             | 1070             | 800              | 800              | 800              | 1070             | 1070              | 1070             | 800              | 1070             | 1070                           |
| 5'-primer(s) <sup>2</sup>                | 527<br>5'-TgA 3' | 97<br>5'-TCg 3'  | 209<br>5'-ggC 3' | 103<br>5'-CCg 3' | 103<br>5'-CCT 3' | 103<br>5'-CCg 3' | 45<br>5'-ggA 3'  | 45<br>5'-ggA 3'   | 45<br>5'-ggA 3'  | 420<br>5'-TTA 3' | 206<br>5'-AgA 3' | 419<br>5'-gTC 3'               |
|  | 540<br>5'-gAC 3' |                  | 363<br>5'-AgC 3' | 103<br>5'-CCg 3' | 103<br>5'-CCT 3' | 418<br>5'-Agg 3' |                  | 357<br>5'-Tgg 3'  |                  |                  | 420<br>5'-TTA 3' |                                |
|  |                  |                  | 363<br>5'-AgC 3' | 361<br>5'-AgT 3' | 363<br>5'-AAT 3' |                  |                  | 412<br>5'-ATA 3'  |                  |                  |                  |                                |
| 3'-primer(s) <sup>3</sup>                | 605<br>5'-gCT 3' | 272<br>5'-Tgg 3' | 309<br>5'-gTg 3' | 193<br>5'-CgT 3' | 246<br>5'-TAT 3' | 246<br>5'-TAT 3' | 165<br>5'-Tgg 3' | 206<br>5'-CCT 3'  | 266<br>5'-TCC 3' | 559<br>5'-CTC 3' | 272<br>5'-Tgg 3' | 3 <sup>rd</sup> I<br>5'-TAT 3' |
|  |                  | 272<br>5'-TgA 3' | 559<br>5'-CAg 3' | 193<br>5'-CgT 3' | 246<br>5'-TAT 3' | 572<br>5'-gCC 3' |                  | 538<br>5'-gTC 3'  |                  |                  | 572<br>5'-gCg 3' |                                |
|  |                  |                  |                  | 583<br>5'-gTg 3' | 559<br>5'-CTC 3' |                  |                  |                   |                  |                  |                  |                                |
| Well No.                                 | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                 | 9                | 10               | 11               | 12                             |

| Well No.                                 | 13               | 14                | 15               | 16               | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               |
|--|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Length of spec. PCR product(s)           | 195              | 105<br>395<br>435 | 115<br>150       | 80               | 150              | 135              | 60<br>245<br>400 | 210              | 170              | 110              | 395              | 160<br>425       |
| Length of int. pos. control <sup>1</sup> | 1070             | 1070              | 1070             | 1070             | 800              | 1070             | 1070             | 800              | 800              | 1070             | 1070             | 1070             |
| 5'-primer(s) <sup>2</sup>                | 142<br>5'-TCT 3' | 45<br>5'-ggA 3'   | 161<br>5'-Cgg 3' | 167<br>5'-gCT 3' | 355<br>5'-TCA 3' | 206<br>5'-gAC 3' | 45<br>5'-ggA 3'  | 142<br>5'-TCT 3' | 409<br>5'-ggC 3' | 246<br>5'-gAA 3' | 44<br>5'-ggC 3'  | 44<br>5'-ggC 3'  |
|  | 419<br>5'-gTC 3' | 540<br>5'-gAC 3'  |                  |                  |                  |                  | 368<br>5'-gTT 3' | 368<br>5'-gTC 3' | 420<br>5'-TTA 3' |                  |                  | 357<br>5'-Tgg 3' |
|  |                  |                   |                  |                  |                  |                  | 557<br>5'-ggA 3' |                  |                  |                  |                  |                  |
| 3'-primer(s) <sup>3</sup>                | 301<br>5'-gTC 3' | 272<br>5'-TgC 3'  | 234<br>5'-TCT 3' | 204<br>5'-TCT 3' | 463<br>5'-gCT 3' | 302<br>5'-ggC 3' | 259<br>5'-gTT 3' | 311<br>5'-ggg 3' | 544<br>5'-ggT 3' | 317<br>5'-ggA 3' | 272<br>5'-TgC 3' | 302<br>5'-ggC 3' |
|  | 301<br>5'-gTC 3' | 309<br>5'-ATC 3'  | 272<br>5'-TgA 3' |                  |                  |                  | 259<br>5'-gTT 3' | 311<br>5'-ggg 3' |                  |                  |                  | 302<br>5'-ggT 3' |
|  | 570<br>5'-CCg 3' | 605<br>5'-gCT 3'  | 272<br>5'-Tgg 3' |                  |                  |                  | 266<br>5'-TCC 3' | 538<br>5'-gTC 3' |                  |                  |                  | 477<br>5'-gCg 3' |
|  | 572<br>5'-gCg 3' |                   |                  |                  |                  |                  | 272<br>5'-Tgg 3' |                  |                  |                  |                  |                  |
|  |                  |                   |                  |                  |                  |                  | 292<br>5'-gTA 3' |                  |                  |                  |                  |                  |
|  |                  |                   |                  |                  |                  |                  | 572<br>5'-gCg 3' |                  |                  |                  |                  |                  |
| Well No.                                 | 13               | 14                | 15               | 16               | 17               | 18               | 19               | 20               | 21               | 22               | 23               | 24               |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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| Well No.                                 | 25                | 26                | 27                | 28                              | 29                              | 30                | 31                | 32                | 33                | 34                | 35                | 36                |
|--|-------------------|-------------------|-------------------|---------------------------------|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Length of spec. PCR product(s)           | 180               | 290<br>465        | 105               | 325                             | 115<br>160<br>195<br>225<br>260 | 215               | 130<br>270        | 90<br>410         | 90<br>175         | 145<br>430        | 120<br>210        | 430               |
| Length of int. pos. control <sup>1</sup> | 1070              | 1070              | 1070              | 800                             | 1070                            | 800               | 800               | 1070              | 1070              | 1070              | 800               | 1070              |
| 5'-primer(s) <sup>2</sup>                | 355<br>5' -TCA 3' | 72<br>5' -gCT 3'  | 540<br>5' -gAC 3' | 1 <sup>st</sup> I<br>5' -CAg 3' | 355<br>5' -TCA 3'               | 141<br>5' -ATT 3' | 209<br>5' -ggC 3' | 41<br>5' -CTg 3'  | 209<br>5' -ggC 3' | 48<br>5' -gCC 3'  | 357<br>5' -Tgg 3' | 49<br>5' -CAg 3'  |
|  | 363<br>5' -Agg 3' | 209<br>5' -ggC 3' |                   |                                 | 418<br>5' -Agg 3'               | 357<br>5' -Tgg 3' | 209<br>5' -ggg 3' | 368<br>5' -gTT 3' | 363<br>5' -AgC 3' | 206<br>5' -gAA 3' |                   |                   |
|  |                   |                   |                   |                                 | 499<br>5' -TCT 3'               |                   | 355<br>5' -TCA 3' |                   |                   |                   |                   |                   |
| 3'-primer(s) <sup>3</sup>                | 499<br>5' -ggA 3' | 193<br>5' -CgT 3' | 603<br>5' -gTg 3' | 282<br>5' -gCC 3'               | 538<br>5' -gTC 3'               | 309<br>5' -ATC 3' | 299<br>5' -TCA 3' | 282<br>5' -gCC 3' | 259<br>5' -gTT 3' | 309<br>5' -ATC 3' | 435<br>5' -TCT 3' | 309<br>5' -ATC 3' |
|  |                   | 193<br>5' -TgT 3' | 605<br>5' -gCT 3' |                                 | 572<br>5' -gCg 3'               | 538<br>5' -gTC 3' | 583<br>5' -gTg 3' | 418<br>5' -gTC 3' | 499<br>5' -ggA 3' |                   | 527<br>5' -CCT 3' |                   |
|  |                   | 387<br>5' -TCg 3' |                   |                                 |                                 |                   |                   |                   |                   |                   |                   |                   |
| Well No.                                 | 25                | 26                | 27                | 28                              | 29                              | 30                | 31                | 32                | 33                | 34                | 35                | 36                |

| Well No.                                 | 37                | 38                              | 39                | 40                | 41                | 42                | 43                | 44                | 45                | 46                              | 47                              | 48                |
|--|-------------------|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------------|---------------------------------|-------------------|
| Length of spec. PCR product(s)           | 145               | 300                             | 160<br>330        | 180<br>210        | 180               | 90<br>240         | 90                | 95                | 115<br>150        | 360                             | 350                             | 285               |
| Length of int. pos. control <sup>1</sup> | 1070              | 1070                            | 1070              | 1070              | 1070              | 800               | 1070              | 1070              | 1070              | 1070                            | 1070                            | 800               |
| 5'-primer(s) <sup>2</sup>                | 206<br>5' -gAA 3' | 1 <sup>st</sup> I<br>5' -CAg 3' | 15<br>5' -gCA 3'  | 141<br>5' -ATT 3' | 420<br>5' -TTA 3' | 209<br>5' -ggC 3' | 208<br>5' -CgT 3' | 206<br>5' -gAC 3' | 165<br>5' -ACC 3' | 1 <sup>st</sup> I<br>5' -CAg 3' | 1 <sup>st</sup> I<br>5' -CAg 3' | 355<br>5' -TCA 3' |
|  |                   |                                 | 418<br>5' -Agg 3' | 420<br>5' -TTA 3' |                   | 209<br>5' -ggA 3' | 209<br>5' -ggA 3' |                   | 463<br>5' -TgA 3' |                                 |                                 | 363<br>5' -AgC 3' |
|  |                   |                                 |                   |                   |                   | 362<br>5' -ggT 3' | 369<br>5' -TAC 3' |                   |                   |                                 |                                 |                   |
| 3'-primer(s) <sup>3</sup>                | 311<br>5' -ggT 3' | 259<br>5' -CTC 3'               | 175<br>5' -CCg 3' | 311<br>5' -ggT 3' | 559<br>5' -CAg 3' | 256<br>5' -CCC 3' | 256<br>5' -CTC 3' | 259<br>5' -gTT 3' | 272<br>5' -TgC 3' | 317<br>5' -ggA 3'               | 311<br>5' -ggT 3'               | 603<br>5' -gTg 3' |
|  |                   | 259<br>5' -CTC 3'               | 538<br>5' -gTC 3' | 559<br>5' -CgT 3' |                   | 259<br>5' -CTT 3' | 256<br>5' -CCC 3' |                   | 538<br>5' -CCA 3' |                                 |                                 | 605<br>5' -gCT 3' |
|  |                   | 262<br>5' -TgC 3'               |                   |                   |                   | 559<br>5' -CgT 3' | 420<br>5' -gCT 3' |                   |                   |                                 |                                 |                   |
| Well No.                                 | 37                | 38                              | 39                | 40                | 41                | 42                | 43                | 44                | 45                | 46                              | 47                              | 48                |

101.501-48/12 – including *Taq* polymerase, IFU-01  
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Lot No.: **99R**

Lot-specific information

| Well No.                                 | 49         | 50         | 51         | 52         | 53         | 54         | 55         | 56         | 57         | 58         | 59         | 60         |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|  | 165        | 260        | 390        | 380        | 160        | 125        | 235        | 550        | 640        | 90         | 455        | 105        |
|  | 190        |            |            |            |            | 150        |            |            |            | 125        |            |            |
|  |            |            |            |            |            | 260        |            |            |            | 155        |            |            |
|  |            |            |            |            |            | 630        |            |            |            | 190        |            |            |
| Length of int. pos. control <sup>1</sup> | 1070       | 800        | 1070       | 1070       | 1070       | 1070       | 1070       | 1070       | 1070       | 1070       | 1070       | 800        |
| 5'-primer(s) <sup>2</sup>                | 435        | 363        | 49         | 317        | 106        | 206        | 363        | 272        | 206        | 141        | 256        | 206        |
|  | 5' -AAA 3' | 5' -Agg 3' | 5' -CAg 3' | 5' -gCT 3' | 5' -CCA 3' | 5' -gAA 3' | 5' -AgC 3' | 5' -CTA 3' | 5' -AgA 3' | 5' -ATT 3' | 5' -ACg 3' | 5' -gAC 3' |
|  |            |            |            |            |            | 234        | 363        |            |            | 206        | 272        |            |
|  |            |            |            |            |            | 5' -CAA 3' | 5' -AgC 3' |            |            | 5' -gAA 3' | 5' -CTC 3' |            |
|  |            |            |            |            |            | 355        |            |            |            |            |            |            |
|  |            |            |            |            |            | 5' -TCA 3' |            |            |            |            |            |            |
| 3'-primer(s) <sup>3</sup>                | 559        | 583        | 272        | 412        | 226        | 317        | 559        | 538        | 559        | 256        | 435        | 272        |
|  | 5' -CAg 3' | 5' -gTg 3' | 5' -TgA 3' | 5' -gTT 3' | 5' -CAC 3' | 5' -ggA 3' | 5' -CTC 3' | 5' -gTC 3' | 5' -CgT 3' | 5' -CCC 3' | 5' -TCT 3' | 5' -Tgg 3' |
|  |            |            |            |            |            | 572        |            |            |            | 292        |            |            |
|  |            |            |            |            |            | 5' -gTg 3' |            |            |            | 5' -gTC 3' |            |            |
|  |            |            |            |            |            | 572        |            |            |            |            |            |            |
|  |            |            |            |            |            | 5' -gTg 3' |            |            |            |            |            |            |
| Well No.                                 | 49         | 50         | 51         | 52         | 53         | 54         | 55         | 56         | 57         | 58         | 59         | 60         |

| Well No.                                 | 61         | 62         | 63         |
|--|------------|------------|------------|
| Length of spec. PCR product(s)           | 90         | 435        | 95         |
|  | 120        |            |            |
|  | 150        |            |            |
|  | 180        |            |            |
| Length of int. pos. control <sup>1</sup> | 800        | 1070       | 1070       |
| 5'-primer(s) <sup>2</sup>                | 165        | 272        | 407        |
|  | 5' -ACC 3' | 5' -CTA 3' | 5' -gg 3'  |
|  | 222        |            | 409        |
|  | 5' -CCA 3' |            | 5' -ggC 3' |
|  |            |            | 409        |
|  |            |            | 5' -ggC 3' |
| 3'-primer(s) <sup>3</sup>                | 272        | 419        | 463        |
|  | 5' -TgC 3' | 5' -CgA 3' | 5' -gCT 3' |
|  | 302        |            |            |
|  | 5' -ggT 3' |            |            |
| Well No.                                 | 61         | 62         | 63         |

<sup>1</sup>The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B low resolution typing.

In addition, wells number 4 to 6, 10, 17, 20, 21, 30, 31, 35, 42, 48, 50, 60 and 61 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

<sup>2</sup>The nucleotide position, in the 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> exon or in the 1<sup>st</sup> intron, matching the specificity-determining 3'-end of the primer is given. Nucleotide numbering as on the [www.ebi.ac.uk](http://www.ebi.ac.uk), [imgt, hla](http://imgt.hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 99R**

**Lot-specific information**

<sup>3</sup>The nucleotide position, in the 2<sup>nd</sup>, or 3<sup>rd</sup> exon or the 3<sup>rd</sup> intron, matching the specificity-determining 3'-end of the primer is given in the anti-sense direction. Nucleotide numbering as on the [www.ebi.ac.uk](http://www.ebi.ac.uk), [imgt](http://imgt), [hla](http://hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| <b>CELL LINE VALIDATION SHEET</b>   |      |            |               |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------------------|------|------------|---------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>HLA-B low resolution SSP kit</b> |      |            |               |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |      |            |               | Well       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |      |            |               | 1          | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        |           |
|                                     |      |            |               | Prod. No.: | 201204201 | 201204202 | 201204203 | 201204204 | 201204205 | 201213406 | 201204207 | 201204208 | 201314809 | 201204210 | 201204211 | 201204212 | 201204213 | 201204214 | 201204215 | 201204216 |
| IHCW cell line                      |      | B*         |               |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                                   | 9001 | SA         | *07:02        | +          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 2                                   | 9280 | LK707      | *52:01 *73:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 3                                   | 9011 | E4181324   | *52:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 4                                   | 9275 | GU373      | *15:10 *53:01 | -          | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | +         | -         | -         |
| 5                                   | 9009 | KAS011     | *37:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 6                                   | 9353 | SM         | *39:01 *51:01 | -          | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 7                                   | 9020 | QBL        | *18:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 8                                   | 9025 | DEU        | *35:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 9                                   | 9026 | YAR        | *38:01        | -          | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 10                                  | 9107 | LKT3       | *54:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 11                                  | 9051 | PITOUT     | *44:03        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 12                                  | 9052 | DBB        | *57:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 13                                  | 9004 | JESTHOM    | *27:05        | -          | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 14                                  | 9071 | OLGA       | *15:01 *15:20 | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 15                                  | 9075 | DKB        | *40:01        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 16                                  | 9037 | SWEIG007   | *40:02        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 17                                  | 9282 | CTM3953540 | *08:01 *55:01 | -          | +         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 18                                  | 9257 | 32367      | *14:01 *56:01 | -          | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 19                                  | 9038 | BM16       | *18:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 20                                  | 9059 | SLE005     | *40:01        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 21                                  | 9064 | AMALA      | *15:01        | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 22                                  | 9056 | KOSE       | *35:03        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 23                                  | 9124 | IHL        | *40:02 *56:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 24                                  | 9035 | JBUSH      | *38:01        | -          | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 25                                  | 9049 | IBW9       | *14:02        | -          | -         | -         | +         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26                                  | 9285 | WT49       | *58:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 27                                  | 9191 | CH1007     | *07:05 *51:01 | +          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 28                                  | 9320 | BEL5GB     | *44:02 *44:03 | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 29                                  | 9050 | MOU        | *44:03        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 30                                  | 9021 | RSH        | *42:01        | -          | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 31                                  | 9019 | DUCAF      | *18:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 32                                  | 9297 | HAG        | *41:02        | -          | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 33                                  | 9098 | MT14B      | *40:01        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 34                                  | 9104 | DHIF       | *38:01        | -          | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 35                                  | 9302 | SSTO       | *44:02        | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 36                                  | 9024 | KT17       | *15:01 *35:01 | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 37                                  | 9065 | HHKB       | *07:02        | +          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 38                                  | 9099 | LZL        | *15:01        | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 39                                  | 9315 | CML        | *08:01 *27:05 | -          | +         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 40                                  | 9134 | WHONP199   | *13:02 *46:01 | -          | -         | +         | +         | -         | -         | +         | -         | -         | +         | -         | +         | -         | -         | -         | -         | -         |
| 41                                  | 9055 | H0301      | *14:02        | -          | -         | -         | +         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 42                                  | 9066 | TAB089     | *46:01        | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 43                                  | 9076 | T7526      | *46:01        | -          | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 44                                  | 9057 | TEM        | *38:01        | -          | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 45                                  | 9239 | SHJO       | *42:01 *50:01 | -          | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 46                                  | 9013 | SCHU       | *07:02        | +          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 47                                  | 9045 | TUBO       | *51:01        | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 48                                  | 9303 | TER-ND     | *35:01 *44:03 | -          | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

|                |      |            |        | Well       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------|------|------------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                |      |            |        | 17         | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32        |           |
| IHCW cell line |      | B*         |        | Prod. No.: | 201204217 | 201204218 | 201210019 | 201204220 | 201204221 | 201204222 | 201204223 | 201213424 | 201204225 | 201204226 | 201204227 | 201204228 | 201204229 | 201204230 | 201204231 | 201204232 |
| 1              | 9001 | SA         | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         | -         |
| 2              | 9280 | LK707      | *52:01 | *73:01     | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         | -         |
| 3              | 9011 | E4181324   | *52:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 4              | 9275 | GU373      | *15:10 | *53:01     | +         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 5              | 9009 | KAS011     | *37:01 |            | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 6              | 9353 | SM         | *39:01 | *51:01     | -         | -         | -         | -         | +         | -         | +         | +         | -         | -         | -         | -         | -         | +         | -         | -         |
| 7              | 9020 | QBL        | *18:01 |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 8              | 9025 | DEU        | *35:01 |            | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 9              | 9026 | YAR        | *38:01 |            | -         | -         | -         | -         | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 10             | 9107 | LKT3       | *54:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |
| 11             | 9051 | PITOUT     | *44:03 |            | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 12             | 9052 | DBB        | *57:01 |            | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 13             | 9004 | JESTHOM    | *27:05 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |
| 14             | 9071 | OLGA       | *15:01 | *15:20     | +         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 15             | 9075 | DKB        | *40:01 |            | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         |
| 16             | 9037 | SWEIG007   | *40:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |
| 17             | 9282 | CTM3953540 | *08:01 | *55:01     | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | +         | -         | -         | -         | +         |
| 18             | 9257 | 32367      | *14:01 | *56:01     | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | -         | +         |
| 19             | 9038 | BM16       | *18:01 |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 20             | 9059 | SLE005     | *40:01 |            | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         |
| 21             | 9064 | AMALA      | *15:01 |            | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 22             | 9056 | KOSE       | *35:03 |            | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 23             | 9124 | IHL        | *40:02 | *56:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         | -         | -         | +         |
| 24             | 9035 | JBUSH      | *38:01 |            | -         | -         | -         | -         | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 25             | 9049 | IBW9       | *14:02 |            | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26             | 9285 | WT49       | *58:01 |            | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 27             | 9191 | CH1007     | *07:05 | *51:01     | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | +         | -         | -         |
| 28             | 9320 | BEL5GB     | *44:02 | *44:03     | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 29             | 9050 | MOU        | *44:03 |            | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 30             | 9021 | RSH        | *42:01 |            | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | +         | -         | -         | -         | -         |
| 31             | 9019 | DUCAF      | *18:01 |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 32             | 9297 | HAG        | *41:02 |            | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 33             | 9098 | MT14B      | *40:01 |            | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         |
| 34             | 9104 | DHIF       | *38:01 |            | -         | -         | -         | -         | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 35             | 9302 | SSTO       | *44:02 |            | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |
| 36             | 9024 | KT17       | *15:01 | *35:01     | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 37             | 9065 | HHKB       | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         | -         | -         |
| 38             | 9099 | LZL        | *15:01 |            | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 39             | 9315 | CML        | *08:01 | *27:05     | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | +         | -         | -         | -         | +         |
| 40             | 9134 | WHONP199   | *13:02 | *46:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 41             | 9055 | H0301      | *14:02 |            | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         |
| 42             | 9066 | TAB089     | *46:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 43             | 9076 | T7526      | *46:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 44             | 9057 | TEM        | *38:01 |            | -         | -         | -         | -         | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 45             | 9239 | SHJO       | *42:01 | *50:01     | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | +         | -         | -         | -         | -         |
| 46             | 9013 | SCHU       | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         | -         | -         |
| 47             | 9045 | TUBO       | *51:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 48             | 9303 | TER-ND     | *35:01 | *44:03     | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |





101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| <b>CELL LINE VALIDATION SHEET</b>   |                       |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------------------|-----------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>HLA-B low resolution SSP kit</b> |                       |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |                       |           |            | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |                       |           |            | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41        | 42        | 43        | 44        | 45        | 46        | 47        | 48        |
|                                     |                       |           | Prod. No.: | 201204233 | 201204234 | 201204235 | 201204236 | 201204237 | 201204238 | 201204239 | 201204240 | 201204241 | 201204242 | 201214843 | 201204244 | 201204245 | 201204246 | 201204247 | 201204248 |
|                                     | <b>IHWC cell line</b> | <b>B*</b> |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                                   | 9001 SA               | *07:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |
| 2                                   | 9280 LK707            | *52:01    | *73:01     | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | -         | -         | +         | +         | +         | -         |
| 3                                   | 9011 E4181324         | *52:01    |            | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 4                                   | 9275 GU373            | *15:10    | *53:01     | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | +         | -         |
| 5                                   | 9009 KAS011           | *37:01    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 6                                   | 9353 SM               | *39:01    | *51:01     | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | +         | -         |
| 7                                   | 9020 QBL              | *18:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 8                                   | 9025 DEU              | *35:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 9                                   | 9026 YAR              | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 10                                  | 9107 LKT3             | *54:01    |            | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | +         | -         |
| 11                                  | 9051 PITOUT           | *44:03    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 12                                  | 9052 DBB              | *57:01    |            | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         |
| 13                                  | 9004 JESTHOM          | *27:05    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 14                                  | 9071 OLGA             | *15:01    | *15:20     | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         |
| 15                                  | 9075 DKB              | *40:01    |            | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 16                                  | 9037 SWEIG007         | *40:02    |            | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 17                                  | 9282 CTM3953540       | *08:01    | *55:01     | -         | -         | +         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | +         |
| 18                                  | 9257 32367            | *14:01    | *56:01     | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         | -         |
| 19                                  | 9038 BM16             | *18:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 20                                  | 9059 SLE005           | *40:01    |            | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 21                                  | 9064 AMALA            | *15:01    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         |
| 22                                  | 9056 KOSE             | *35:03    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 23                                  | 9124 IHL              | *40:02    | *56:02     | -         | -         | -         | -         | +         | +         | -         | -         | +         | -         | +         | -         | -         | -         | +         | -         |
| 24                                  | 9035 JBUSH            | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 25                                  | 9049 IBW9             | *14:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 26                                  | 9285 WT49             | *58:01    |            | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         | -         | -         |
| 27                                  | 9191 CH1007           | *07:05    | *51:01     | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | +         | +         |
| 28                                  | 9320 BEL5GB           | *44:02    | *44:03     | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 29                                  | 9050 MOU              | *44:03    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 30                                  | 9021 RSH              | *42:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |
| 31                                  | 9019 DUCAF            | *18:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         |
| 32                                  | 9297 HAG              | *41:02    |            | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |
| 33                                  | 9098 MT14B            | *40:01    |            | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 34                                  | 9104 DHIF             | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 35                                  | 9302 SSTO             | *44:02    |            | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 36                                  | 9024 KT17             | *15:01    | *35:01     | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         |
| 37                                  | 9065 HHKB             | *07:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |
| 38                                  | 9099 LZL              | *15:01    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         |
| 39                                  | 9315 CML              | *08:01    | *27:05     | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         |
| 40                                  | 9134 WHONP199         | *13:02    | *46:01     | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | +         | +         | -         |
| 41                                  | 9055 H0301            | *14:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 42                                  | 9066 TAB089           | *46:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         |
| 43                                  | 9076 T7526            | *46:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         |
| 44                                  | 9057 TEM              | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 45                                  | 9239 SHJO             | *42:01    | *50:01     | -         | -         | +         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | +         | +         |
| 46                                  | 9013 SCHU             | *07:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |
| 47                                  | 9045 TUBO             | *51:01    |            | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         | -         | -         |
| 48                                  | 9303 TER-ND           | *35:01    | *44:03     | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         | -         | +         | +         | -         |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

| <b>CELL LINE VALIDATION SHEET</b>   |                       |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------------------|-----------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>HLA-B low resolution SSP kit</b> |                       |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |                       |           | Prod. No.: | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                     |                       |           |            | 49        | 50        | 51        | 52        | 53        | 54        | 55        | 56        | 57        | 58        | 59        | 60        | 61        | 62        | 63        |
|                                     |                       |           |            | 201314849 | 201314850 | 201314851 | 201314852 | 201314853 | 201314854 | 201314855 | 201314856 | 201314857 | 201314858 | 201314859 | 201314860 | 201314861 | 201314862 | 201314863 |
|                                     | <b>IHWC cell line</b> | <b>B*</b> |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                                   | 9001 SA               | *07:02    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 2                                   | 9280 LK707            | *52:01    | *73:01     | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | +         | +         |           |           |
| 3                                   | 9011 E4181324         | *52:01    |            | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         | +         | +         |           |           |
| 4                                   | 9275 GU373            | *15:10    | *53:01     | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 5                                   | 9009 KAS011           | *37:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |           |           |
| 6                                   | 9353 SM               | *39:01    | *51:01     | +         | -         | +         | +         | -         | -         | -         | -         | -         | +         | -         | -         | +         |           |           |
| 7                                   | 9020 QBL              | *18:01    |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | +         |           |           |
| 8                                   | 9025 DEU              | *35:01    |            | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 9                                   | 9026 YAR              | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         |           |           |
| 10                                  | 9107 LKT3             | *54:01    |            | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 11                                  | 9051 PITOUT           | *44:03    |            | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 12                                  | 9052 DBB              | *57:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 13                                  | 9004 JESTHOM          | *27:05    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 14                                  | 9071 OLGA             | *15:01    | *15:20     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 15                                  | 9075 DKB              | *40:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 16                                  | 9037 SWEIG007         | *40:02    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 17                                  | 9282 CTM3953540       | *08:01    | *55:01     | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |           |           |
| 18                                  | 9257 32367            | *14:01    | *56:01     | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |           |           |
| 19                                  | 9038 BM16             | *18:01    |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         |           |           |
| 20                                  | 9059 SLE005           | *40:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 21                                  | 9064 AMALA            | *15:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 22                                  | 9056 KOSE             | *35:03    |            | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 23                                  | 9124 IHL              | *40:02    | *56:02     | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | +         |           |           |
| 24                                  | 9035 JBUSH            | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |           |           |
| 25                                  | 9049 IBW9             | *14:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |           |           |
| 26                                  | 9285 WT49             | *58:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 27                                  | 9191 CH1007           | *07:05    | *51:01     | +         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | +         |           |           |
| 28                                  | 9320 BEL5GB           | *44:02    | *44:03     | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 29                                  | 9050 MOU              | *44:03    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 30                                  | 9021 RSH              | *42:01    |            | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         |           |           |
| 31                                  | 9019 DUCAF            | *18:01    |            | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | +         |           |           |
| 32                                  | 9297 HAG              | *41:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 33                                  | 9098 MT14B            | *40:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |
| 34                                  | 9104 DHIF             | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |           |           |
| 35                                  | 9302 SSTO             | *44:02    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 36                                  | 9024 KT17             | *15:01    | *35:01     | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 37                                  | 9065 HHKB             | *07:02    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 38                                  | 9099 LZL              | *15:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 39                                  | 9315 CML              | *08:01    | *27:05     | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |           |           |
| 40                                  | 9134 WHONP199         | *13:02    | *46:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 41                                  | 9055 H0301            | *14:02    |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |           |           |
| 42                                  | 9066 TAB089           | *46:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 43                                  | 9076 T7526            | *46:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 44                                  | 9057 TEM              | *38:01    |            | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | +         |           |           |
| 45                                  | 9239 SHJO             | *42:01    | *50:01     | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         |           |           |
| 46                                  | 9013 SCHU             | *07:02    |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         |           |           |
| 47                                  | 9045 TUBO             | *51:01    |            | +         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |
| 48                                  | 9303 TER-ND           | *35:01    | *44:03     | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | +         |           |           |

101.501-48/12 – including *Taq* polymerase, IFU-01  
 101.501-48u/12u – without *Taq* polymerase, IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **99R**

Lot-specific information

## CERTIFICATE OF ANALYSIS

### Olerup SSP® HLA-B low resolution SSP

Product number: **101.501-48/12 – including *Taq* pol.  
 101.501-48u/12u – without *Taq* pol.**

Lot number: **99R**

Expiry date: **2015-August-01**

Number of tests: **48 tests – Product No. 101.501-48/48u  
 12 tests – Product No. 101.501-12/12u**

Number of wells per test: **63 + 1**

#### Well specifications:

| Well No. | Production No. | Well No. | Production No. | Well No. | Production No. |
|----------|----------------|----------|----------------|----------|----------------|
| 1        | 2012-042-01    | 25       | 2012-042-25    | 49       | 2013-148-49    |
| 2        | 2012-042-02    | 26       | 2012-042-26    | 50       | 2013-148-50    |
| 3        | 2012-042-03    | 27       | 2012-042-27    | 51       | 2013-148-51    |
| 4        | 2012-042-04    | 28       | 2012-042-28    | 52       | 2013-148-52    |
| 5        | 2012-042-05    | 29       | 2012-042-29    | 53       | 2013-148-53    |
| 6        | 2012-134-06    | 30       | 2012-042-30    | 54       | 2013-148-54    |
| 7        | 2012-042-07    | 31       | 2012-042-31    | 55       | 2013-148-55    |
| 8        | 2012-042-08    | 32       | 2012-042-32    | 56       | 2013-148-56    |
|          |                |          |                |          |                |
| 9        | 2013-148-09    | 33       | 2012-042-33    | 57       | 2013-148-57    |
| 10       | 2012-042-10    | 34       | 2012-042-34    | 58       | 2013-148-58    |
| 11       | 2012-042-11    | 35       | 2012-042-35    | 59       | 2013-148-59    |
| 12       | 2012-042-12    | 36       | 2012-042-36    | 60       | 2013-148-60    |
| 13       | 2012-042-13    | 37       | 2012-042-37    | 61       | 2013-148-61    |
| 14       | 2012-042-14    | 38       | 2012-042-38    | 62       | 2013-148-62    |
| 15       | 2012-042-15    | 39       | 2012-042-39    | 63       | 2013-148-63    |
| 16       | 2012-042-16    | 40       | 2012-042-40    |          |                |
|          |                |          |                |          |                |
| 17       | 2012-042-17    | 41       | 2012-042-41    |          |                |
| 18       | 2012-042-18    | 42       | 2012-042-42    |          |                |
| 19       | 2012-100-19    | 43       | 2012-148-43    |          |                |
| 20       | 2012-042-20    | 44       | 2012-042-44    |          |                |
| 21       | 2012-042-21    | 45       | 2012-042-45    |          |                |
| 22       | 2012-042-22    | 46       | 2012-042-46    |          |                |
| 23       | 2012-042-23    | 47       | 2012-042-47    |          |                |
| 24       | 2012-134-24    | 48       | 2012-042-48    |          |                |

The specificity of each primer solution of the kit has been tested against 48 well characterized IHWC cell line DNAs.

Additional 3'-primers in primer solutions 2, 3, 6, 13 to 15, 19, 29, 31, 35, 40, 58 were tested by separately adding additional 5'-primers.

Additional 5'-primers in primer solutions 1, 3, 6, 14, 19, 21, 25, 29, 31, 40, 48, 54, 58, 59 and 61 were tested by separately adding additional 3'-primers.

In primer solutions 31, 42, 43 and 63 one 5'-primer was not possible to test and in primer solutions 38, 42, 54 and 61 one 3'-primer was not possible to test.

101.501-48/12 – including *Taq* polymerase, IFU-01  
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Lot No.: **99R**

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The negative control primer pairs, **Production No. 2012-085-01**, can detect contamination with PCR products diluted  $10^{-7}$ .

**Results:** No false positive or false negative amplifications were obtained.

**Date of approval:** 2013-March-26

**Approved by:**

**Production Quality Control**

101.501-48/12 – including *Taq* polymerase, IFU-01  
101.501-48u/12u – without *Taq* polymerase, IFU-02

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Lot No.: **99R**

Lot-specific information

## Declaration of Conformity

**Product name:** *Olerup* SSP® HLA-B low resolution  
**Product number:** 101.501-48/48u, -12/12u  
**Lot number:** 99R

**Intended use:** HLA-B low resolution histocompatibility testing

**Manufacturer:** *Olerup* SSP AB  
Franzengatan 5  
SE-112 51 Stockholm, Sweden  
**Phone:** +46-8-717 88 27  
**Fax:** +46-8-717 88 18

We, *Olerup* SSP AB, hereby declare that this product, to which this Declaration of Conformity relates is in conformity with the following Standard(s) and other normative document(s) ISO 9001:2008 and ISO 13485:2012, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex II List B, conformity assessed using Annex IV, as transposed into the national laws of the Member States of the European Union.

The Technical Documentation File is maintained at *Olerup* SSP AB, Franzengatan 5, SE-112 51 Stockholm, Sweden.

Notified Body: Lloyd's Register Quality Assurance Limited, Hiramford, Middlemarch Office Village, Siskin Drive, Coventry CV3 4FJ, United Kingdom. (Notified Body number: 0088.)

Stockholm, Sweden  
2015-January-21

Daniel Malica  
Head of QA and Regulatory Affairs

101.501-48/12 – including *Taq* polymerase, IFU-01  
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Lot No.: **99R**

Lot-specific information

**ADDRESSES:**

**Manufacturer:**

**Olerup SSP AB, Franzengatan 5, SE-112 51 Stockholm, Sweden.**

**Tel:** +46-8-717 88 27

**Fax:** +46-8-717 88 18

**E-mail:** [info-ssp@olerup.com](mailto:info-ssp@olerup.com)

**Web page:** <http://www.olerup-ssp.com>

**Distributed by:**

**Olerup GmbH, Löwengasse 47 / 6, AT-1030 Vienna, Austria.**

**Tel:** +43-1-710 15 00

**Fax:** +43-1-710 15 00 10

**E-mail:** [support-at@olerup.com](mailto:support-at@olerup.com)

**Web page:** <http://www.olerup.com>

**Olerup Inc., 901 S. Bolmar St., Suite R, West Chester, PA 19382**

**Tel:** 1-877-OLERUP1

**Fax:** 610-344-7989

**E-mail:** [info.us@olerup.com](mailto:info.us@olerup.com)

**Web page:** <http://www.olerup.com>

For information on *Olerup* SSP distributors worldwide, contact **Olerup GmbH.**