

101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information  
**Olerup SSP<sup>®</sup> HLA-C\*03**

|                                  |   |
|----------------------------------|---|
| Product number:                  | 101.611-12 – including <i>Taq</i> polymerase<br>101.611-12u – without <i>Taq</i> polymerase |
| Lot number:                      | 94R   |
| Expiry date:                     | 2015-September-01   |
| Number of tests:                 | 12  |
| Number of wells per test:        | 48  |
| Storage - pre-aliquoted primers: | dark at -20°C   |
| - PCR Master Mix:                | -20°C   |
| - Adhesive PCR seals             | RT  |
| - Product Insert                 | RT  |

**This Product Description is only valid for Lot No. 94R.**

**CHANGES COMPARED TO THE PREVIOUS OLERUP SSP<sup>®</sup>  
 HLA-C\*03 LOT (57N).**

The HLA-C\*03 kit is updated for new alleles to enable separation of:

- Confirmed<sup>1</sup> alleles as listed in the IMGT/HLA database
- Polymorphisms in exons outside of the region encoding the peptide binding domain
- Null and Alternatively expressed alleles

<sup>1</sup>As described in section Uniquely Identified Alleles.

The HLA-C\*03 specificity and interpretation tables have been updated for the HLA-C alleles described since the previous *Olerup SSP<sup>®</sup>* HLA-C\*03 lot was made (**Lot No. 57N**).

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

| Well | 5'-primer | 3'-primer | rationale                                    |
|------|-----------|-----------|--|
| 8    | Added     | -         | 5'-primer added for the C*03:116:02 allele.  |
| 14   | Added     | Added     | Primer pair added for the C*03:04:26 allele. |
| 20   | Added     | -         | 5'-primer added for the C*03:155 allele.     |
| 25   | Added     | Added     | Primer pair added for the C*03:171 allele.   |

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|    |       |       |   |
|----|-------|-------|---|
| 41 | -     | Added | 3'-primer added for the C*03:146 allele.  |
| 46 | Added | Added | Primer pair added for the C*03:155 allele |

Change in revision R01 compared to R00:

1. The C\*04:110 allele is amplified by primer mix 25. This has been corrected in the Specificity and Interpretation Tables.

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## PRODUCT DESCRIPTION

### HLA-C\*03 SSP subtyping

#### CONTENT

The primer set contains 5'- and 3'-primers for identifying the HLA-C\*03:02 to C\*03:175 alleles.

#### PLATE LAYOUT

Each test consists of 48 PCR reactions in a 48 well cut PCR plate.

|           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <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> |
| <b>33</b> | <b>34</b> | <b>35</b> | <b>36</b> | <b>37</b> | <b>38</b> | <b>39</b> | <b>40</b> |
| <b>41</b> | <b>42</b> | <b>43</b> | <b>44</b> | <b>45</b> | <b>46</b> | <b>47</b> | <b>48</b> |

The 48 well cut PCR plate is marked with 'HLA-C\*03' in silver/gray ink.

Well No. 1 is marked with the Lot Number '94R'.

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 heat-sealed with a PCR-compatible foil.

**Please note:** When removing each 48 well PCR plate, make sure that the remaining plates stay sealed. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

#### INTERPRETATION

The interpretation of HLA-C\*03 SSP subtypings will be influenced by most C\*01, the C\*02, the C\*04, seven C\*05, the C\*06, most C\*07, six C\*08, eight C\*12, the C\*14, the C\*15, three C\*16, the C\*17 and six C\*18 alleles when present on the other haplotype. In addition, the B\*07:93, 35:195, 35:211, 38:27 and 51:76 alleles are amplified by primer mix 7, the B\*08:39 allele is amplified by primer mixes 7 and 29, the B\*15:01:17 allele is amplified by primer mix 28, the B\*15:78:03 allele is amplified by primer mixes 13 and 28, the B\*15:96 allele is amplified by primer mixes 2, 5, 6, 18, 26 and 43, the B\*35:08:04 and 37:04:02 alleles are amplified by primer mix 12, the B\*35:101:02 allele is amplified by primer mixes 7 and 33, the B\*35:178 allele is amplified by primer mix 25, the B\*44:85 allele is amplified by primer mix 14, the B\*55:30 allele is amplified by primer mixes 14 and 42, the B\*56:37 allele is amplified by primer mix 8, 18, 43 and weakly amplified by primer 14.

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### UNIQUELY IDENTIFIED ALLELES

All the HLA-C\*03 alleles, i.e. **C\*03:02 to C\*03:175**, recognized by the HLA Nomenclature Committee in October 2012<sup>1</sup> will be amplified by the primers in the HLA-C\*03 subtyping kit<sup>2</sup>.

The HLA-C\*03 kit enables separation of the confirmed HLA- C\*03 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources. Current allele confirmation status for HLA- C\*03 alleles is listed below.

The HLA-C\*03 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

The C\*03:28 and 03:90 alleles and the C\*03:49 and 03:103 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

The C\*03:44 and 03:123 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 31.

The C\*03:50 and 03:122 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

The C\*03:56 and 03:85 alleles and the C\*03:64:01 and 03:82 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

The C\*03:70 and 03:78 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 42.

The HLA-C\*03 subtyping kit cannot distinguish the following silent mutations: the C\*03:02:01-03:02:09, the C\*03:03:01-03:03:11, 03:03:13-03:03:14 and 03:03:16-03:03:19, the C\*03:03:12 and 03:03:15, the C03:04:01:01-03:04:18, the 03:04:20-03:04:25 and 03:04:27-03:04:32, the 03:37:01-03:37:02, the C\*03:38:01-03:38:02, the 03:40:01 and 03:40:03 or the 03:116:01-03:116:02 alleles.

<sup>1</sup>HLA-C alleles listed on the IMGT/HLA web page 2012-October-14, release 3.10.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</sup>The C\*03:135, C\*03:154, and C\*15:43 give rise to identical amplification patterns with the HLA-C\*03 subtyping kit. These two alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C\*15 subtyping kits.

### Resolution in homo- and heterozygotes

A total of 254 alleles generate 130 amplification patterns that can be combined in 8515 homozygous and heterozygous combinations. 3635 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products were not considered in these calculations.

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**Allele Confirmation Status**

| Allele        | Status <sup>1</sup> | Allele     | Status <sup>1</sup> | Allele     | Status <sup>1</sup> | Allele      | Status <sup>1</sup> | Allele   | Status <sup>1</sup> |
|---------------|---------------------|------------|---------------------|------------|---------------------|-------------|---------------------|----------|---------------------|
| C*03:02:01    | Confirmed           | C*03:04:21 | Unconfirmed         | C*03:40:01 | Confirmed           | C*03:86     | Unconfirmed         | C*03:135 | Unconfirmed         |
| C*03:02:02:01 | Confirmed           | C*03:04:22 | Confirmed           | C*03:40:02 | Unconfirmed         | C*03:87     | Confirmed           | C*03:136 | Confirmed           |
| C*03:02:02:02 | Unconfirmed         | C*03:04:23 | Unconfirmed         | C*03:40:03 | Unconfirmed         | C*03:88     | Confirmed           | C*03:137 | Unconfirmed         |
| C*03:02:03    | Unconfirmed         | C*03:04:24 | Confirmed           | C*03:41    | Unconfirmed         | C*03:89     | Unconfirmed         | C*03:138 | Unconfirmed         |
| C*03:02:04    | Unconfirmed         | C*03:04:25 | Unconfirmed         | C*03:42    | Confirmed           | C*03:90     | Confirmed           | C*03:139 | Unconfirmed         |
| C*03:02:05    | Unconfirmed         | C*03:04:26 | Unconfirmed         | C*03:43:01 | Confirmed           | C*03:91     | Unconfirmed         | C*03:140 | Confirmed           |
| C*03:02:06    | Confirmed           | C*03:04:27 | Unconfirmed         | C*03:43:02 | Unconfirmed         | C*03:92     | Unconfirmed         | C*03:141 | Unconfirmed         |
| C*03:02:07    | Unconfirmed         | C*03:04:28 | Unconfirmed         | C*03:44    | Confirmed           | C*03:93     | Unconfirmed         | C*03:142 | Unconfirmed         |
| C*03:02:08    | Unconfirmed         | C*03:04:29 | Unconfirmed         | C*03:45    | Unconfirmed         | C*03:94     | Unconfirmed         | C*03:143 | Unconfirmed         |
| C*03:02:09    | Confirmed           | C*03:04:30 | Confirmed           | C*03:46    | Confirmed           | C*03:95     | Confirmed           | C*03:144 | Unconfirmed         |
| C*03:03:01    | Confirmed           | C*03:04:31 | Unconfirmed         | C*03:47    | Confirmed           | C*03:96     | Confirmed           | C*03:145 | Unconfirmed         |
| C*03:03:02    | Confirmed           | C*03:04:32 | Unconfirmed         | C*03:48    | Unconfirmed         | C*03:97     | Unconfirmed         | C*03:146 | Unconfirmed         |
| C*03:03:03    | Unconfirmed         | C*03:05    | Confirmed           | C*03:49    | Confirmed           | C*03:98     | Unconfirmed         | C*03:147 | Unconfirmed         |
| C*03:03:04    | Confirmed           | C*03:06    | Confirmed           | C*03:50    | Unconfirmed         | C*03:99     | Unconfirmed         | C*03:148 | Unconfirmed         |
| C*03:03:05    | Confirmed           | C*03:07    | Confirmed           | C*03:51    | Confirmed           | C*03:100    | Unconfirmed         | C*03:149 | Unconfirmed         |
| C*03:03:06    | Unconfirmed         | C*03:08    | Confirmed           | C*03:52    | Unconfirmed         | C*03:101    | Unconfirmed         | C*03:150 | Unconfirmed         |
| C*03:03:07    | Confirmed           | C*03:09    | Unconfirmed         | C*03:53    | Confirmed           | C*03:102    | Unconfirmed         | C*03:151 | Unconfirmed         |
| C*03:03:08    | Confirmed           | C*03:10    | Confirmed           | C*03:54    | Confirmed           | C*03:103    | Unconfirmed         | C*03:152 | Unconfirmed         |
| C*03:03:09    | Unconfirmed         | C*03:11:01 | Unconfirmed         | C*03:55    | Confirmed           | C*03:104    | Unconfirmed         | C*03:153 | Unconfirmed         |
| C*03:03:10    | Confirmed           | C*03:11:02 | Confirmed           | C*03:56    | Confirmed           | C*03:105    | Unconfirmed         | C*03:154 | Unconfirmed         |
| C*03:03:11    | Unconfirmed         | C*03:12    | Unconfirmed         | C*03:57    | Unconfirmed         | C*03:106    | Unconfirmed         | C*03:155 | Confirmed           |
| C*03:03:12    | Confirmed           | C*03:13    | Unconfirmed         | C*03:58    | Unconfirmed         | C*03:107    | Unconfirmed         | C*03:156 | Unconfirmed         |
| C*03:03:13    | Unconfirmed         | C*03:14    | Confirmed           | C*03:59    | Confirmed           | C*03:108    | Unconfirmed         | C*03:157 | Unconfirmed         |
| C*03:03:14    | Unconfirmed         | C*03:15    | Unconfirmed         | C*03:60    | Unconfirmed         | C*03:109    | Confirmed           | C*03:158 | Unconfirmed         |
| C*03:03:15    | Unconfirmed         | C*03:16    | Confirmed           | C*03:61    | Unconfirmed         | C*03:110    | Unconfirmed         | C*03:159 | Unconfirmed         |
| C*03:03:16    | Unconfirmed         | C*03:17    | Confirmed           | C*03:62    | Confirmed           | C*03:111    | Unconfirmed         | C*03:160 | Unconfirmed         |
| C*03:03:17    | Unconfirmed         | C*03:18    | Unconfirmed         | C*03:63    | Confirmed           | C*03:112    | Unconfirmed         | C*03:161 | Unconfirmed         |
| C*03:03:18    | Unconfirmed         | C*03:19    | Confirmed           | C*03:64:01 | Confirmed           | C*03:113    | Confirmed           | C*03:162 | Unconfirmed         |
| C*03:03:19    | Unconfirmed         | C*03:20N   | Unconfirmed         | C*03:64:02 | Unconfirmed         | C*03:114    | Unconfirmed         | C*03:163 | Unconfirmed         |
| C*03:04:01:01 | Confirmed           | C*03:21    | Confirmed           | C*03:65    | Confirmed           | C*03:115    | Unconfirmed         | C*03:164 | Unconfirmed         |
| C*03:04:01:02 | Confirmed           | C*03:22Q   | Unconfirmed         | C*03:66    | Unconfirmed         | C*03:116:01 | Confirmed           | C*03:165 | Unconfirmed         |
| C*03:04:02    | Confirmed           | C*03:23    | Confirmed           | C*03:67    | Unconfirmed         | C*03:116:02 | Unconfirmed         | C*03:166 | Unconfirmed         |
| C*03:04:03    | Unconfirmed         | C*03:24    | Unconfirmed         | C*03:68    | Unconfirmed         | C*03:117    | Unconfirmed         | C*03:167 | Confirmed           |
| C*03:04:04    | Confirmed           | C*03:25    | Confirmed           | C*03:69    | Confirmed           | C*03:118    | Unconfirmed         | C*03:168 | Unconfirmed         |
| C*03:04:05    | Unconfirmed         | C*03:26    | Confirmed           | C*03:70    | Unconfirmed         | C*03:119    | Unconfirmed         | C*03:169 | Unconfirmed         |
| C*03:04:06    | Unconfirmed         | C*03:27    | Confirmed           | C*03:71    | Unconfirmed         | C*03:120    | Confirmed           | C*03:170 | Unconfirmed         |
| C*03:04:07    | Unconfirmed         | C*03:28    | Confirmed           | C*03:72    | Unconfirmed         | C*03:121N   | Unconfirmed         | C*03:171 | Unconfirmed         |
| C*03:04:08    | Confirmed           | C*03:29    | Confirmed           | C*03:73    | Unconfirmed         | C*03:122    | Confirmed           | C*03:172 | Unconfirmed         |
| C*03:04:09    | Confirmed           | C*03:30    | Confirmed           | C*03:74    | Confirmed           | C*03:123    | Confirmed           | C*03:173 | Unconfirmed         |
| C*03:04:10    | Confirmed           | C*03:31    | Unconfirmed         | C*03:75    | Unconfirmed         | C*03:124    | Unconfirmed         | C*03:174 | Unconfirmed         |
| C*03:04:11    | Confirmed           | C*03:32    | Confirmed           | C*03:76    | Unconfirmed         | C*03:125    | Unconfirmed         | C*03:175 | Unconfirmed         |
| C*03:04:12    | Unconfirmed         | C*03:33    | Unconfirmed         | C*03:77    | Unconfirmed         | C*03:126    | Unconfirmed         |          |                     |
| C*03:04:13    | Confirmed           | C*03:34    | Confirmed           | C*03:78    | Confirmed           | C*03:127    | Unconfirmed         |          |                     |
| C*03:04:14    | Unconfirmed         | C*03:35    | Confirmed           | C*03:79    | Confirmed           | C*03:128    | Unconfirmed         |          |                     |
| C*03:04:15    | Confirmed           | C*03:36    | Confirmed           | C*03:80    | Unconfirmed         | C*03:129    | Unconfirmed         |          |                     |
| C*03:04:16    | Confirmed           | C*03:37:01 | Confirmed           | C*03:81    | Unconfirmed         | C*03:130    | Unconfirmed         |          |                     |
| C*03:04:17    | Confirmed           | C*03:37:02 | Confirmed           | C*03:82    | Confirmed           | C*03:131    | Unconfirmed         |          |                     |
| C*03:04:18    | Confirmed           | C*03:38:01 | Confirmed           | C*03:83    | Unconfirmed         | C*03:132    | Unconfirmed         |          |                     |
| C*03:04:19    | Unconfirmed         | C*03:38:02 | Confirmed           | C*03:84    | Unconfirmed         | C*03:133    | Unconfirmed         |          |                     |
| C*03:04:20    | Unconfirmed         | C*03:39    | Unconfirmed         | C*03:85    | Confirmed           | C*03:134    | Unconfirmed         |          |                     |

<sup>1</sup>Allele status “confirmed” or “unconfirmed” as listed on the IMGT/HLA web page 2012-October-14, release 3.10.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

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Lot-specific information  
**SPECIFICITY TABLE**

**HLA-C\*03 SSP subtyping**

Specificities and sizes of the PCR products of the 48 primer mixes used for  
 HLA-C\*03 SSP subtyping

| Primer Mix | Size of spec. PCR product <sup>1</sup> | Size of control band <sup>2</sup> | Amplified HLA-C*03 alleles <sup>3</sup>  | Other amplified HLA Class I alleles <sup>4</sup>  |
|------------|--|-----------------------------------|--|---|
| <b>1</b>   | 280 bp                                 | <b>800 bp</b>                     | *03:02:01-03:02:09,<br>03:04:01:01-03:04:25,<br>03:04:27-03:10, 03:14-03:17,<br>03:19, 03:23-03:29, 03:32-<br>03:38:02, 03:40:01-03:42,<br>03:44-03:48, 03:51, 03:54,<br>03:57, 03:60, 03:63-03:64:01,<br>03:65, 03:70-03:74, 03:77-<br>03:78, 03:80, 03:82, 03:84,<br>03:87, 03:89-03:95, 03:98,<br>03:100-03:101, 03:104-03:111,<br>03:113-03:115, 03:117-03:118,<br>03:121N, 03:123, 03:125,<br>03:128-03:131, 03:134-03:136,<br>03:138-03:140, 03:143,<br>03:145-03:149, 03:153-03:155,<br>03:157, 03:159, 03:162-03:164,<br>03:169, 03:172-03:174 | *02:02:01-02:02:03,<br>02:02:05-02:03, 02:04 <sup>w</sup> ,<br>02:05-02:13, 02:14 <sup>w</sup> ,<br>02:15-02:25Q, 02:26:02-<br>02:32, 02:34-02:40, 02:42-<br>02:66, 04:03, 04:06, 04:16,<br>04:80, 04:107, 05:58:01,<br>06:03:01, 07:02:10 <sup>w</sup> ,<br>07:96:01-07:96:02,<br>07:127 <sup>w</sup> , 12:03:23,<br>15:02:01-15:09, 15:10:02-<br>15:11, 15:13, 15:15-15:19,<br>15:21-15:22, 15:24-15:35,<br>15:37-15:60, 15:62, 15:64,<br>16:34 |
| <b>2</b>   | 210 bp                                 | 1070 bp                           | *03:02:01-03:02:09, 03:14-<br>03:15, 03:33, 03:36, 03:40:01-<br>03:40:03, 03:42-03:43:02,<br>03:60, 03:71, 03:84, 03:89,<br>03:95, 03:108, 03:110, 03:119,<br>03:121N, 03:132, 03:139,<br>03:146, 03:169, 03:175   | *07:133, 07:242, <b>B*15:96</b>   |
| <b>3</b>   | 280 bp                                 | <b>800 bp</b>                     | *03:03:01-03:03:19, 03:11:01-<br>03:13, 03:20N-03:22Q, 03:30-<br>03:31, 03:43:01-03:43:02,<br>03:49-03:50, 03:52-03:53,<br>03:55-03:56, 03:58-03:59,<br>03:61-03:62, 03:66, 03:67 <sup>w</sup> ,<br>03:68-03:69, 03:75-03:76,<br>03:79, 03:81, 03:83, 03:85-<br>03:86, 03:88, 03:96-03:97,<br>03:102-03:103, 03:112,<br>03:116:01-03:116:02, 03:119-<br>03:120, 03:122, 03:124,  | *15:12  |

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|                           |                   |               |   |   |
|---------------------------|-------------------|---------------|---|---|
|                           |                   |               | 03:126-03:127, 03:132-03:133,<br>03:141-03:142, 03:150-03:152,<br>03:158, 03:160-03:161, 03:165,<br>03:167-03:168, 03:171, 03:175   |   |
| <b>4</b>                  | 275 bp            | 1070 bp       | *03:03:01-03:04:32, 03:06-<br>03:12, 03:14, 03:18-03:24,<br>03:26, 03:28-03:32, 03:34,<br>03:37:01-03:40:03, 03:42-<br>03:57, 03:59, 03:61-03:70,<br>03:72-03:83, 03:85, 03:87-<br>03:88, 03:90-03:93, 03:96,<br>03:98, 03:100-03:107, 03:109,<br>03:111-03:112, 03:114-03:120,<br>03:122-03:131, 03:133-03:134,<br>03:136-03:138, 03:140-03:145,<br>03:147-03:150, 03:152-03:153,<br>03:155-03:164, 03:166, 03:168,<br>03:170-03:175   |   |
| <b>5</b>                  | 275 bp            | 1070 bp       | *03:05, 03:13, 03:17, 03:25,<br>03:27, 03:35, 03:71, 03:167   | *01:65, 07:133, 07:242,<br><b>B*15:96</b>   |
| <b>6<sup>5,9</sup></b>    | 90 bp,<br>215 bp  | <b>800 bp</b> | *03:06, 03:21, 03:142   | <b>B*15:96</b>  |
| <b>7<sup>5,6,10</sup></b> | 110 bp,<br>185 bp | 1070 bp       | *03:03:01-03:03:19, 03:08,<br>03:11:01-03:13, 03:18, 03:20N-<br>03:22Q, 03:29-03:31, 03:39,<br>03:43:01-03:43:02, 03:49-<br>03:50, 03:52-03:53, 03:55-<br>03:56, 03:58-03:59, 03:61-<br>03:62, 03:66-03:69, 03:75-<br>03:76, 03:79, 03:81, 03:83,<br>03:85-03:86, 03:88, 03:96-<br>03:97, 03:102-03:103, 03:112,<br>03:116:01-03:116:02, 03:119-<br>03:120, 03:122, 03:124,<br>03:126-03:127, 03:132-03:133,<br>03:141-03:142, 03:144,<br>03:150-03:152, 03:158,<br>03:160-03:161, 03:165,<br>03:167-03:168, 03:171, 03:175 | *01:51, 06:44, 06:53:01,<br>07:01:01-07:01:24,<br>07:01:26-07:01:31, 07:06-<br>07:07, 07:09, 07:16, 07:18-<br>07:20, 07:22, 07:24, 07:26,<br>07:28, 07:30, 07:35-07:36,<br>07:40, 07:44, 07:52-07:53,<br>07:55N-07:56:01, 07:57-<br>07:60, 07:65, 07:70-07:71,<br>07:73, 07:77-07:79, 07:81-<br>07:83, 07:86, 07:89, 07:91-<br>07:96:02, 07:98N, 07:103-<br>07:104N, 07:106, 07:108-<br>07:113, 07:115-07:116,<br>07:118-07:120, 07:122,<br>07:124, 07:128-07:129,<br>07:131-07:132, 07:134,<br>07:140-07:141:02, 07:148,<br>07:150Q-07:151, 07:153,<br>07:162, 07:164N-07:166,<br>07:170, 07:173, 07:176,<br>07:179-07:180, 07:182,<br>07:188-07:191N, 07:196-<br>07:197, 07:200-07:201,<br>07:203-07:207, 07:210, |



101.611-12 – including *Taq* polymerase, IFU-01  
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|                        |                   |               |  |  |
|------------------------|-------------------|---------------|--|--|
|                        |                   |               |  | 07:212, 07:214-07:215,<br>07:219, 07:222-07:224,<br>07:227N-07:228, 07:230-<br>07:231, 07:235-07:237,<br>07:246-07:250, 07:253-<br>07:257, 07:263, 07:266-<br>07:269, 07:276-07:282,<br>07:292, 15:02:10, 18:05,<br><b>B*07:93, B*08:39,<br/>B*35:101:02, B*35:195,<br/>B*35:211, B*38:27,<br/>B*51:76</b>   |
| <b>8</b>               | 255 bp            | 1070 bp       | *03:09, 03:22Q, 03:42, 03:71,<br>03:89, 03:116:01-03:116:02,<br>03:119, 03:139, 03:169 | *07:133, 07:242, <b>B*56:37</b>  |
| <b>9</b>               | 240 bp            | 1070 bp       | *03:07, 03:15, 03:45, 03:130,<br>03:140, 03:163  | *02:02:01-02:02:03,<br>02:02:05-02:02:11,<br>02:02:13-02:03, 02:04 <sup>w</sup> ,<br>02:05-02:11, 02:13,<br>02:14 <sup>w</sup> , 02:15-02:25Q,<br>02:26:02-02:26:03, 02:28-<br>02:40, 02:42-02:66, 04:03,<br>04:06, 04:16, 04:80,<br>04:107, 05:58:01,<br>06:03:01, 15:02:01-<br>15:06:03, 15:08-15:09,<br>15:10:02-15:13, 15:15-<br>15:19, 15:22, 15:24, 15:26-<br>15:35, 15:37-15:42, 15:44-<br>15:60, 15:62, 15:64        |
| <b>10</b>              | 250 bp            | <b>800 bp</b> | *03:07, 03:10, 03:15, 03:29,<br>03:45, 03:163  | *02:02:01 <sup>w</sup> , 02:02:02-<br>02:02:03, 02:02:05-02:03,<br>02:04 <sup>w</sup> , 02:05-02:13,<br>02:14 <sup>w</sup> , 02:15-02:25Q,<br>02:26:02-02:26:03, 02:28-<br>02:40, 02:42-02:64, 02:66,<br>04:03, 04:06, 04:16, 04:80,<br>04:107, 05:58:01,<br>06:03:01, 15:02:01-<br>15:06:03, 15:08-15:09,<br>15:10:02-15:13, 15:15-<br>15:19, 15:21-15:22, 15:24,<br>15:26-15:35, 15:37-15:42,<br>15:44-15:60, 15:62, 15:64 |
| <b>11<sup>11</sup></b> | 145 bp,<br>415 bp | 1070 bp       | *03:08, 03:29, 03:31, 03:87  | *04:112, 05:36, 06:44,<br>12:08, 12:81   |



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|                          |                              |               |  |   |
|--------------------------|------------------------------|---------------|--|---|
| <b>12<sup>12</sup></b>   | 260 bp,<br>305 bp            | 1070 bp       | *03:03:12, 03:03:15, 03:04:19,<br>03:11:01, 03:18, 03:39, 03:113   | *01:51, 05:55, 06:53:01,<br>07:10, 07:43, 07:56:01,<br>07:60, 07:79, 07:109,<br>07:184, 07:196, 12:58,<br>15:12, <b>B*35:08:04,</b><br><b>B*37:04:02</b>  |
| <b>13<sup>5,13</sup></b> | 80 bp,<br>140 bp             | 1070 bp       | *03:02:01-03:02:09, 03:15-<br>03:17, 03:33, 03:36, 03:40:01,<br>03:40:03, 03:42-03:43:01,<br>03:60, 03:71, 03:84, 03:89,<br>03:95, 03:108, 03:110,<br>03:121N, 03:132, 03:139,<br>03:146, 03:169, 03:175   | *04:37, 04:54, 06:02:08,<br>07:02:32, 07:242,<br>12:03:20, 14:02:01,<br>14:02:03-14:16, 14:18-<br>14:46, 16:01:06,<br><b>B*15:78:03</b>   |
| <b>14<sup>5,14</sup></b> | 70 bp,<br>210 bp             | 1070 bp       | *03:04:26, 03:12, 03:19,<br>03:102   | *02:26:01, 05:58:02, 06:70,<br>07:20, 15:23, <b>B*44:85,</b><br><b>B*55:30, B*56:37<sup>w</sup></b>   |
| <b>15<sup>7</sup></b>    | 135 bp                       | 1070 bp       | *03:02:01-03:04:24, 03:04:27-<br>03:17, 03:19-03:38:02,<br>03:40:01-03:64:01, 03:65-<br>03:66, 03:67 <sup>w</sup> , 03:68-03:98,<br>03:100-03:117, 03:119-03:136,<br>03:138-03:143, 03:146-03:155,<br>03:157-03:165, 03:167-03:169,<br>03:171, 03:173-03:175 | *02:02:13, 06:03:01 <sup>w</sup> ,<br>07:96:01-07:96:02,<br>15:02:10, 15:43   |
| <b>16</b>                | 150 bp                       | 1070 bp       | *03:07, 03:10, 03:15, 03:29,<br>03:45, 03:163  | *01:14, 02:02:13, 04:01:23,<br>05:01:12, 05:29:02,<br>06:02:01-01-06:02:01:02,<br>06:02:03-06:04, 06:06-<br>06:10, 06:12-06:76:01,<br>06:77-06:81, 06:83-06:93,<br>07:07, 07:09, 07:76,<br>12:04:01, 14:12, 15:02:10,<br>17:01:01-01-17:01:03,<br>17:01:05-17:15, 18:01-<br>18:06 |
| <b>17<sup>5</sup></b>    | 100 bp                       | 1070 bp       | *03:20N, 03:101  |   |
| <b>18<sup>15</sup></b>   | 165 bp,<br>195 bp,<br>225 bp | 1070 bp       | *03:23, 03:83, 03:102  | <b>B*15:96, B*56:37</b>   |
| <b>19<sup>5,16</sup></b> | 105 bp,<br>260 bp            | <b>800 bp</b> | *03:24, 03:33  |   |
| <b>20<sup>17</sup></b>   | 165 bp,<br>255 bp            | 1070 bp       | *03:25, 03:47, 03:155  |   |
| <b>21<sup>18</sup></b>   | 210 bp,<br>240 bp            | 1070 bp       | *03:26, 03:57, 03:88   |   |

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|                          |                               |               |   |  |
|--------------------------|-------------------------------|---------------|---|--|
| <b>22</b>                | 195 bp                        | <b>800 bp</b> | *03:15, 03:27, 03:38:01-03:38:02, 03:69, 03:130, 03:136, 03:163           | *02:12, 02:49, 02:55, 04:03, 04:06, 04:16, 04:80, 04:107, 06:70, 07:20, 07:96:01-07:96:02, 07:127, 07:263, 15:03, 15:16, 15:25   |
| <b>23<sup>5,19</sup></b> | 90 bp,<br>260 bp              | 1070 bp       | *03:22Q, 03:28, 03:49, 03:90, 03:103, 03:117, 03:169                      | *01:65   |
| <b>24<sup>20</sup></b>   | 160 bp,<br>200 bp             | 1070 bp       | *03:30, 03:65, 03:79, 03:120-03:121N                                      |  |
| <b>25<sup>21</sup></b>   | 305 bp,<br>355 bp,<br>470 bp  | 1070 bp       | *03:32, 03:38:01-03:38:02, 03:45, 03:69, 03:130, 03:136, 03:163, 03:171   | *04:80, 04:100, 04:110, 06:14, 06:73, 07:10, 07:43, 07:196, 08:20, 08:40, 12:44, 15:03, 15:16, 15:25, 15:62, <b>B*35:178</b>   |
| <b>26<sup>5,22</sup></b> | 70 bp,<br>105 bp,<br>265 bp   | 1070 bp       | *03:13, 03:34-03:36, 03:77, 03:142  | *07:133, 07:242, <b>B*15:96</b>  |
| <b>27<sup>5,23</sup></b> | 80 bp,<br>275 bp              | 1070 bp       | *03:11:01-03:11:02, 03:15, 03:32, 03:37:01-03:37:02, 03:45, 03:60, 03:136 | *02:42, 02:49, 04:03, 04:06, 04:16, 04:80, 06:03:01, 07:96:01-07:96:02, 15:25, 15:62   |
| <b>28</b>                | 170 bp                        | 1070 bp       | *03:16, 03:41, 03:113, 03:151   | *04:01:01:01-04:01:04, 04:01:06, 04:01:08, 04:01:10-04:01:17, 04:01:19-04:01:21, 04:01:23-04:01:25, 04:01:27-04:01:41, 04:03-04:04:01, 04:05-04:20, 04:23-04:49, 04:51-04:63, 04:65-04:76, 04:78-04:94:01, 04:95N-04:98, 04:100-04:119, 04:121-04:132, 06:02:08, 07:02:32, 12:03:20, 14:02:01, 14:02:03-14:02:10, 14:03-14:16, 14:18-14:31, 14:33-14:43, 14:45-14:46, 16:01:06, 18:01-18:06, <b>B*15:01:17, B*15:78:03</b> |
| <b>29<sup>24</sup></b>   | 140 bp,<br>170 bp,<br>285 bp, | 1070 bp       | *03:39, 03:51, 03:67, 03:96, 03:98, 03:161                                | *04:64:01, 06:53:01, 07:56:01, 07:60, 07:79, 07:109, <b>B*08:39</b>  |

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|                             |                             |               |   |  |
|-----------------------------|-----------------------------|---------------|---|--|
| <b>30</b> <sup>25</sup>     | 150 bp,<br>170 bp           | 1070 bp       | *03:46, 03:61, 03:96  | *04:64:01  |
| <b>31</b> <sup>5,26</sup>   | 100 bp,<br>210 bp           | <b>800 bp</b> | *03:44, 03:59, 03:123   |  |
| <b>32</b> <sup>5,8,27</sup> | 90 bp,<br>180 bp            | 1070 bp       | *03:48, 03:58, 03:84  | *01:03, 01:24, 04:37, 05:85  |
| <b>33</b> <sup>5,28</sup>   | 110 bp,<br>365 bp           | 1070 bp       | *03:43:01-03:43:02, 03:62,<br>03:119, 03:132, 03:175          | *07:60, 07:79, 12:58,<br>14:10, <b>B*35:101:02</b>   |
| <b>34</b> <sup>29</sup>     | 130 bp,<br>240 bp           | 1070 bp       | *03:53-03:54, 03:98   | *12:17   |
| <b>35</b> <sup>5,30</sup>   | 70 bp,<br>120 bp,<br>210 bp | 1070 bp       | *03:56, 03:64:01, 03:79, 03:82,<br>03:85                      | *02:08, 12:03:23, 15:10:02   |
| <b>36</b> <sup>31</sup>     | 165 bp,<br>245 bp           | 1070 bp       | *03:50, 03:72, 03:122   |  |
| <b>37</b>                   | 140 bp                      | 1070 bp       | *03:16, 03:21, 03:55, 03:80,<br>03:92, 03:113, 03:117, 03:161 | *04:01:01:01-04:01:04,<br>04:01:08, 04:01:10-<br>04:01:21, 04:01:23-<br>04:01:25, 04:01:27-<br>04:01:41, 04:03-04:04:01,<br>04:05-04:07, 04:09N-04:20,<br>04:23-04:31, 04:33, 04:35-<br>04:49, 04:51-04:58, 04:60-<br>04:76, 04:78-04:84, 04:86-<br>04:94:01, 04:95N-04:98,<br>04:100-04:132, 06:02:08,<br>07:02:32, 08:01:07,<br>08:02:07, 08:33:02,<br>12:03:20, 14:02:01,<br>14:02:03-14:16, 14:18-<br>14:19, 14:21N-14:24:02,<br>14:26-14:31, 14:33-14:37,<br>14:39-14:46, 16:01:06,<br>18:01-18:02, 18:04-18:06 |
| <b>38</b> <sup>5,32</sup>   | 110 bp,<br>265 bp           | 1070 bp       | *03:52, 03:73, 03:95  | *04:43   |
| <b>39</b> <sup>5,33</sup>   | 110 bp,<br>170 bp           | 1070 bp       | *03:36, 03:63, 03:77  | *04:34, 04:122   |
| <b>40</b> <sup>5,34</sup>   | 70 bp,<br>260 bp            | 1070 bp       | *03:66, 03:80   |  |
| <b>41</b> <sup>5,6,35</sup> | 120 bp,<br>195 bp           | 1070 bp       | *03:68, 03:100, 03:146  | *06:02:03, 06:46N, 08:24,<br>17:01:01:01-17:01:01:02,<br>17:02-17:03, 17:05  |

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|                           |                             |               |   |  |
|---------------------------|-----------------------------|---------------|---|--|
| <b>42</b> <sup>5,36</sup> | 120 bp,<br>205 bp           | 1070 bp       | *03:70, 03:78, 03:127   | <b>B*55:30</b>   |
| <b>43</b> <sup>7,37</sup> | 220 bp,<br>275 bp           | <b>800 bp</b> | *03:74, 03:81, 03:97, 03:175                                  | <b>B*15:96, B*56:37</b>  |
| <b>44</b> <sup>5,38</sup> | 70 bp,<br>160 bp            | 1070 bp       | *03:75, 03:91, 03:120   |  |
| <b>45</b> <sup>39</sup>   | 140 bp,<br>295 bp           | 1070 bp       | *03:76, 03:93   |  |
| <b>46</b> <sup>40</sup>   | 150 bp,<br>210 bp           | 1070 bp       | *03:58, 03:86, 03:94, 03:99,<br>03:155                        | *01:02:01-01:03, 01:06-<br>01:08, 01:10-01:11, 01:13-<br>01:20, 01:23-01:33, 01:38-<br>01:48, 01:51-01:54,<br>01:56N-01:73, 04:37,<br>05:85, 14:45 |
| <b>47</b> <sup>5,41</sup> | 70 bp,<br>195 bp,<br>240 bp | 1070 bp       | *03:14, 03:21, 03:55, 03:57,<br>03:92, 03:109, 03:117, 03:161 | *01:65, 07:133   |
| <b>48</b>                 | 555 bp                      | 1070 bp       | *03:58, 03:86, 03:94, 03:99                                   | *05:85, 15:37, 16:18   |

<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-C\*03 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-C\*03 subtyping.

In addition, wells number 3, 6, 10, 19, 22, 31 and 43 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>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>4</sup>Due to the sharing of sequence motifs between HLA-C alleles the primer pairs in wells 1 to 3, 5, 7 to 16, 22, 23, 25 to 30, 32 to 35, 37 to 39, 41 and 46 to 48 will amplify non-HLA-C\*03 alleles. In addition, the B\*07:93, 35:195, 35:211, 38:27 and 51:76 alleles are amplified by primer mix 7, the

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B\*08:39 allele is amplified by primer mix 7 and 29, the B\*15:01:17 allele is amplified by primer mix 28, the B\*15:78:03 allele is amplified by primer mixes 13 and 28, the B\*15:96 allele is amplified by primer mixes 2, 5, 6, 18, 26 and 43, the B\*35:08:04 and 37:04:02 alleles are amplified by primer mix 12, the B\*35:101:02 allele is amplified by primer mix 7 and 33, the B\*35:178 allele is amplified by primer mix 25, the B\*44:85 allele is amplified by primer mix 14, the B\*55:30 allele is amplified by primer mix 14 and 42, the B\*56:37 allele is amplified by primer mix 8, 18, 43 and weakly amplified by primer 14.

<sup>5</sup>HLA-specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

<sup>6</sup>Primer mix 7 and 41 may give rise to a lower yield of HLA-specific PCR product than the other HLA-C\*03 primer mixes.

<sup>7</sup>Primer mixes 15 and 43 have a tendency to giving rise to primer oligomer formation.

<sup>8</sup>Primer mix 32 may have a tendency of unspecific amplification.

<sup>9</sup>Primer mix 6: Specific PCR fragment of 90 bp in the C\*03:21 and 03:142 and the B\*15:96 alleles. Specific PCR fragment of 215 bp in the C\*03:06 allele.

<sup>10</sup>Primer mix 7: Specific PCR fragment of 110 bp in the C\*03:08 and 03:29 and the C\*06:44, 07:01:01:01-07:01:24, 07:01:26-07:01:31, 07:06-07:07, 07:09, 07:16, 07:18-07:20, 07:22, 07:24, 07:26, 07:28, 07:30, 07:35-07:36, 07:40, 07:44, 07:52-07:53, 07:55N, 07:57-07:59, 07:65, 07:70-07:71, 07:73, 07:77-07:78, 07:81-07:83, 07:86, 07:89, 07:91-07:96:02, 07:98N, 07:103-07:104N, 07:106, 07:108, 07:110-07:113, 07:115-07:116, 07:118-07:120, 07:122, 07:124, 07:128-07:129, 07:131-07:132, 07:134, 07:140-07:141:02, 07:148, 07:150Q-07:151, 07:153, 07:162, 07:164N-07:166, 07:170, 07:173, 07:176, 07:179-07:180, 07:182, 07:188-07:191N, 07:196-07:197, 07:200-07:201, 07:203-07:207, 07:210, 07:212, 07:214-07:215, 07:219, 07:222-07:224, 07:227N-07:228, 07:230-07:231, 07:235-07:237, 07:246-07:250, 07:253-07:257, 07:263, 07:266-07:269, 07:276-07:282, 07:292, 15:02:10 and 18:05 alleles. Specific PCR fragment of 185 bp in the C\*03:03:01-03:03:19, 03:11:01-03:13, 03:18, 03:20N-03:22Q, 03:30, 03:39, 03:43:01-03:43:02, 03:49-03:50, 03:52-03:53, 03:55-03:56, 03:58-03:59, 03:61-03:62, 03:66-03:69, 03:75-03:76, 03:79, 03:81, 03:83, 03:85-03:86, 03:88, 03:96-03:97, 03:102-03:103, 03:112, 03:116:01-03:116:02, 03:119-03:120, 03:122, 03:124, 03:126-03:127, 03:132-03:133, 03:141-03:142, 03:144, 03:150-03:152, 03:158, 03:160-03:161, 03:165, 03:167-03:168, 03:171 and 03:175 and the C\*01:51, 06:53:01, 07:56:01, 07:79 and in the B\*07:93, B\*08:39, B\*35:101:02, 35:195, 35:211, B\*38:27 and B\*51:76 alleles. Specific PCR fragments of 110 and 185 bp in the C\*03:31 and in the C\*07:60 and 07:109 alleles.

<sup>11</sup>Primer mix 11: Specific PCR fragment of 145 bp in the C\*03:87 allele. Specific PCR fragment of 415 bp in the C\*03:08, 03:29 and 03:31 and in the C\*04:112, 05:36, 06:44, 12:08 and 12:81 alleles.

<sup>12</sup>Primer mix 12: Specific PCR fragment of 260 bp in the C\*03:03:12, 03:03:15, 03:11:01, 03:18 and 03:39 and the C\*01:51, 05:55, 06:53:01, 07:56:01, 07:60, 07:79, 07:109, 12:58 and 15:12 alleles. Specific PCR fragment of 305 bp in the C\*03:04:19 and 03:113 and the C\*07:10, 07:43, 07:184 and 07:196 and in the B\*35:08:04 and B\*37:04:02 alleles.

<sup>13</sup>Primer mix 13: Specific PCR fragment of 80 bp in the C\*03:02:01-03:02:09, 03:15-03:16, 03:33, 03:36, 03:40:01, 03:40:03, 03:42-03:43:01, 03:60, 03:84, 03:89, 03:95, 03:108, 03:110, 03:121N, 03:132, 03:139, 03:146, 03:169 and 03:175 and the C\*04:54, 07:02:32, 07:242, 14:08-14:09, 14:28, and in the B\*15:78:03 alleles. Specific PCR fragment of 140 bp in the C\*03:17 and the C\*04:37, 14:24:02, 14:26 and 16:01:06 alleles. Specific PCR fragments of 80 and 140 bp in the C\*03:71 and in the C\*06:02:08, 12:03:20, 14:02:01, 14:02:03-14:07N, 14:10-14:16, 14:18-14:24:01, 14:25, 14:27, 14:29-14:46 and 16:01:06 alleles.

<sup>14</sup>Primer mix 14: Specific PCR fragment of 70 bp in the C\*03:04:26 and the C\*02:26:01, 05:58:02, 06:70, 07:20 and 15:23 and in the B\*44:85 and B\*55:30 alleles. Specific PCR fragment of 210 bp in the C\*03:12, 03:19 and 03:102 and in the B\*56:37<sup>w</sup> alleles.

<sup>15</sup>Primer mix 18: Specific PCR fragment of 165 bp in the C\*03:102 and in the B\*15:96 and B\*56:37 alleles. Specific PCR fragment of 195 bp in the C\*03:83 allele. Specific PCR fragment of 225 bp in the C\*03:23 allele.

<sup>16</sup>Primer mix 19: Specific PCR fragment of 105 bp in the C\*03:24 allele. Specific PCR fragment of 260 bp in the C\*03:33 allele.

<sup>17</sup>Primer mix 20: Specific PCR fragment of 165 bp in the C\*03:25 and 03:155 alleles. Specific PCR fragment of 255 bp in the C\*03:47 allele.

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<sup>18</sup>Primer mix 21: Specific PCR fragment of 210 bp in the C\*03:26 allele. Specific PCR fragment of 240 bp in the C03:57 and 03:88 alleles.

<sup>19</sup>Primer mix 23: Specific PCR fragment of 90 bp in the C\*03:28, 03:49 and 03:117 and the C\*01:65 alleles. Specific PCR fragment of 260 bp in the C\*03:22Q, 03:90, 03:103 and 03:169 alleles.

<sup>20</sup>Primer mix 24: Specific PCR fragment of 160 bp in the C\*03:120 allele. Specific PCR fragment of 200 bp in the C\*03:30, 03:65, 03:79 and 03:121N alleles.

<sup>21</sup>Primer mix 25: Specific PCR fragment of 305 bp in the C\*03:32 and 03:45 and the 15:62 and in the B\*35:178 alleles. Specific PCR fragment of 355 bp in the C\*03:38:01-03:38:02, 03:69, 03:130 and 03:163 and the C\*12:44, 15:03 and 15:16 alleles. Specific PCR fragment of 470 bp in the C\*03:171, 06:73, 08:20 and 08:40 alleles. Specific PCR fragments of 305 and 355 bp in the C\*03:136 and the C\*04:80, 04:100, 04:110, 06:14, 07:10, 07:43, 07:196 and 15:25 alleles.

<sup>22</sup>Primer mix 26: Specific PCR fragment of 70 bp in the C\*03:34 and 03:142 alleles. Specific PCR fragment of 105 bp in the C\*03:36 and 03:77 alleles. Specific PCR fragment of 265 bp in the C\*03:13 and 03:35 and in the C\*07:133 and 07:242 and the B\*15:96 alleles.

<sup>23</sup>Primer mix 27: Specific PCR fragment of 80 bp in the C\*03:11:01-03:11:02, 03:37:01-03:37:02 and the C\*02:42 alleles. Specific PCR fragment of 275 bp in the C\*03:15, 03:32, 03:45, 03:60 and 03:136 and the 02:49, 04:03, 04:06, 04:16, 04:80, 07:96:01-07:96:02, 15:25 and 15:62 alleles. Specific PCR fragment of 80 and 275 bp in the C\*06:03:01 allele.

<sup>24</sup>Primer mix 29: Specific PCR fragment of 140 bp in the C\*03:98 allele. Specific PCR fragment of 170 bp in the C\*03:51, 03:96 and 03:161 and in the C\*04:64:01 alleles. Specific PCR fragment of 285 bp in the C\*03:39 and 03:67 and the C\*06:53:01, 07:56:01, 07:60, 07:79 and 07:109 and in the B\*08:39 alleles.

<sup>25</sup>Primer mix 30: Specific PCR fragment of 150 bp in the C\*03:61 allele. Specific PCR fragment of 170 bp in the C\*03:46 and 03:96 and the C\*04:64:01 alleles.

<sup>26</sup>Primer mix 31: Specific PCR fragment of 100 bp in the C\*03:59 and 03:123 alleles. Specific PCR fragment of 210 bp in the C\*03:44 allele.

<sup>27</sup>Primer mix 32: Specific PCR fragment of 90 bp in the C\*03:58 and in the C\*01:03, 01:24, 04:37 and 05:85 alleles. Specific PCR fragment of 180 bp in the C\*03:48 and 03:84 alleles.

<sup>28</sup>Primer mix 33: Specific PCR fragment of 110 bp in the C\*03:62 allele. Specific PCR fragment of 365 bp in the C\*03:43:01-03:43:02, 03:119, 03:132 and 03:175 and the C\*07:60, 07:79, 12:58 and 14:10 and in the B\*35:101:02 alleles.

<sup>29</sup>Primer mix 34: Specific PCR fragment of 130 bp in the C\*03:54 and 03:98 alleles. Specific PCR fragment of 240 bp in the C\*03:53 and the C\*12:17 alleles.

<sup>30</sup>Primer mix 35: Specific PCR fragment of 70 bp in the C\*03:64:01 and the C02:08, 12:03:23 and 15:10:02 alleles. Specific PCR fragment of 120 bp in the C\*03:56 allele. Specific PCR fragment of 210 bp in the C\*03:79, 03:82 and 03:85 alleles.

<sup>31</sup>Primer mix 36: Specific PCR fragment of 165 bp in the C\*03:122 allele. Specific PCR fragment of 245 bp in the C\*03:50 and 03:72 alleles.

<sup>32</sup>Primer mix 38: Specific PCR fragment of 110 bp in the C\*03:52 and 03:95 and in the C\*04:43 alleles. Specific PCR fragment of 265 bp in the C\*03:73 allele.

<sup>33</sup>Primer mix 39: Specific PCR fragment of 110 bp in the C\*03:36, 03:77 and the 04:34 and 04:122 alleles. Specific PCR fragment of 170 bp in the C\*03:63 allele.

<sup>34</sup>Primer mix 40: Specific PCR fragment of 70 bp in the C\*03:80 alleles. Specific PCR fragment of 260 bp in the C\*03:66 allele.

<sup>35</sup>Primer mix 41: Specific PCR fragment of 120 bp in the C\*03:68 alleles. Specific PCR fragment of 195 bp in the C\*03:100 and 03:146, 06:02:03, 06:46N, 08:24, 17:01:01:01-17:01:01:02, 17:02-17:03 and 17:05 alleles.

<sup>36</sup>Primer mix 42: Specific PCR fragment of 120 bp in the C\*03:78 alleles. Specific PCR fragment of 205 bp in the C\*03:70 and 03:127 and in the B\*55:30 alleles.

<sup>37</sup>Primer mix 43: Specific PCR fragment of 220 bp in the C\*03:74, 03:81 and 03:175 and in the B\*15:96 and B\*56:37 alleles. Specific PCR fragment of 275 bp in the C\*03:97 allele.

<sup>38</sup>Primer mix 44: Specific PCR fragment of 70 bp in the C\*03:91 allele. Specific PCR fragment of 160 bp in the C\*03:75 and 03:120 alleles.

<sup>39</sup>Primer mix 45: Specific PCR fragment of 140 bp in the C\*03:93 alleles. Specific PCR fragment of 295 bp in the C\*03:76 allele.



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<sup>40</sup>Primer mix 46: Specific PCR fragment of 150 bp in the C\*03:155 allele. Specific PCR fragment of 210 bp in the C\*03:58, 03:86, 03:94, 03:99 and the 01:02:01-01:03, 01:06-01:08, 01:10-01:11, 01:13-01:20, 01:23-01:33, 01:38-01:48, 01:51-01:54, 01:56N-01:73, 04:37, 05:85 and 14:45 alleles

<sup>41</sup>Primer mix 47: Specific PCR fragment of 70 bp in the C\*03:14, 03:21, 03:55, 03:92, 03:117 and 03:161 and the 01:65 and 07:133 alleles. Specific PCR fragment of 195 bp in the C\*03:109 allele. Specific PCR fragment of 240 bp in the C\*03:57 allele.

‘w’, might be weakly amplified.



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 101.611-12u – without *Taq* polymerase, IFU-02

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Lot-specific information

| INTERPRETATION TABLE                                      |                    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |                            |               |               |               |               |               |               |               |               |  |
|---|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| HLA-C*03 SSP subtyping                                    |                    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |                            |               |               |               |               |               |               |               |               |  |
| Amplification patterns of the C*03:02 to C*03:175 alleles |                    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |                            |               |               |               |               |               |               |               |               |  |
|   | Well <sup>14</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            |  |
| Length of spec.   | 280                | 210           | 280           | 275           | 275           | 90            | 110           | 255           | 240           | 250           | 145           | 260           | 80            | 70            | 135           | 150                        | 100           | 165           | 105           | 165           | 210           | 195           | 90            | 160           |  |
| PCR product(s)  |                    |               |               |               |               | 215           | 185           |               |               |               | 415           | 305           | 140           | 210           |               |                            |               | 195           | 260           | 255           | 240           |               | 260           | 200           |  |
| Length of int. pos. control <sup>1</sup>                  | 800                | 1070          | 800           | 1070          | 1070          | 800           | 1070          | 1070          | 1070          | 800           | 1070          | 1070          | 1070          | 1070          | 1070          | 1070                       | 1070          | 1070          | 800           | 1070          | 1070          | 800           | 1070          | 1070          |  |
| 5'-primer(s) <sup>2</sup>                                 | 5'-gCT 3' 105      | 5'-gTC 3' 419 | 5'-gCT 3' 105 | 5'-TCA 3' 355 | 5'-CCC 3' 355 | 5'-TgT 3' 413 | 5'-CCg 3' 201 | 5'-CTA 3' 374 | 5'-gCT 3' 105 | 5'-gCT 3' 105 | 5'-TCA 3' 28  | 5'-gga 3' 126 | 5'-AgT 3' 361 | 5'-gCC 3' 105 | 5'-gCT 3' 105 | 5'-CCg 3' 201              | 5'-CCT 3' 19  | 5'-gCA 3' 406 | 5'-gCT 3' 105 | 5'-CAA 3' 86  | 5'-ACA 3' 391 | 5'-CCA 3' 134 | 5'-gTC 3' 368 | 5'-TCA 3' 355 |  |
|   |                    |               |               |               |               | 5'-gTg 3' 539 |               | 5'-ACC 3' 379 |               |               | 5'-CAA 3' 485 | 5'-TCA 3' 355 | 5'-gTC 3' 419 | 5'-TTA 3' 420 |               | 5'-Cgg 3' 3 <sup>d</sup> 1 | 5'-AgA 3' 463 | 5'-AgA 3' 436 | 5'-gCT 3' 194 | 5'-gCA 3' 395 | 5'-CCA 3' 134 | 5'-CTA 3' 374 | 5'-TCA 3' 355 |               |  |
|   |                    |               |               |               |               |               |               | 5'-ACT 3' 379 |               |               |               |               |               |               |               |                            |               | 5'-Tga 3' 463 |               | 5'-CCT 3' 467 | 5'-TTC 3' 420 |               | 5'-gCg 3' 539 |               |  |
| 3'-primer(s) <sup>3</sup>                                 | 5'-C 3' 343        | 5'-CTT 3' 589 | 5'-T 3' 343   | 5'-CTT 3' 589 | 5'-CTT 3' 589 | 5'-CTT 3' 589 | 5'-TAG 3' 270 | 5'-CTT 3' 589 | 5'-ggT 3' 302 | 5'-AgT 3' 312 | 5'-TAG 3' 270 | 5'-T 3' 343   | 5'-AgA 3' 459 | 5'-AgT 3' 134 | 5'-CTC 3' 201 | 5'-AgT 3' 312              | 5'-ggC 3' 70  | 5'-CTT 3' 589 | 5'-ACC 3' 167 | 5'-ggC 3' 302 | 5'-CTT 3' 589 | 5'-AgC 3' 289 | 5'-CTT 3' 589 | 5'-CgA 3' 473 |  |
|   |                    |               |               | 5'-CTT 3' 589 |               |               | 5'-T 3' 343   |               |               |               | 5'-CTT 3' 589 | 5'-CT 3' 618  |               | 5'-CTT 3' 589 |               |                            | 5'-CAC 3' 662 |               | 5'-AgC 3' 323 | 5'-CTT 3' 589 |               | 5'-AgC 3' 289 |               | 5'-CCC 3' 515 |  |
|   |                    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |                            |               |               |               |               |               |               | 5'-TCT 3' 514 | 5'-CTT 3' 514 |  |
| 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            |  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot-specific information

| Length of spec.   | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)  |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| HLA-C* allele <sup>4,5</sup>  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| 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  |     |
| *03:02:01-03:02:09,<br>03:108, 03:110   | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:03:01-03:03:11,<br>03:03:13-03:03:14,<br>03:03:16-03:03:19,<br>03:112, 03:124, 03:126,<br>03:133, 03:141, 03:150,<br>03:152, 03:158, 03:160,<br>03:168  |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:03:12, 03:03:15   |     |     | 3   | 4   |     |     | 7   |     |     |     |     | 12  |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:04:01:01-03:04:18,<br>03:04:20-03:04:24,<br>03:04:27-03:04:32,<br>03:104-03:107, 03:111,<br>03:114-03:115, 03:125,<br>03:128-03:129, 03:131,<br>03:134, 03:138, 03:143,<br>03:147-03:149, 03:153,<br>03:157, 03:159, 03:162,<br>03:164, 03:173-03:174 | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:04:19   | 1   |     |     | 4   |     |     |     |     |     |     |     | 12  |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:04:25, 03:118,<br>03:145, 03:172  | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *03:04:26   |     |     |     | 4   |     |     |     |     |     |     |     |     |     | 14  |     |     |     |     |     |     |     |     |    |     |     |
| *03:05  | 1   |     |     |     | 5   |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:06  | 1   |     |     | 4   |     | 6   |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:07  | 1   |     |     | 4   |     |     |     |     | 9   | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *03:08  | 1   |     |     | 4   |     |     | 7   |     |     |     | 11  |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:09  | 1   |     |     | 4   |     |     |     | 8   |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:10  | 1   |     |     | 4   |     |     |     |     |     | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *03:11:01   |     |     | 3   | 4   |     |     | 7   |     |     |     |     | 12  |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:11:02   |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:12  |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     | 14  | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:13  |     |     | 3   |     | 5   |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:14  | 1   | 2   |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:15  | 1   | 2   |     |     |     |     |     |     | 9   | 10  |     |     | 13  |     | 15  | 16  |     |     |     |     |     | 22  |    |     |     |
| *03:16  | 1   |     |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:17  | 1   |     |     |     | 5   |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:18  |     |     |     | 4   |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| 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  |     |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot-specific information

| Length of spec.              | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)               |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *03:19                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     | 14  | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:20N                      |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     | 17  |     |     |     |     |     |    |     |     |
| *03:21                       |     |     | 3   | 4   |     | 6   | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:22Q                      |     |     | 3   | 4   |     |     | 7   | 8   |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    | 23  |     |
| *03:23                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     | 18  |     |     |     |     |     |    |     |     |
| *03:24                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     | 19  |     |     |     |     |    |     |     |
| *03:25                       | 1   |     |     |     | 5   |     |     |     |     |     |     |     |     |     | 15  |     |     |     | 20  |     |     |     |    |     |     |
| *03:26                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     | 21  |     |    |     |     |
| *03:27                       | 1   |     |     |     | 5   |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     | 22  |    |     |     |
| *03:28, 03:90 <sup>7</sup>   | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     | 23 |     |     |
| *03:29                       | 1   |     |     | 4   |     |     | 7   |     |     | 10  | 11  |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *03:30                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    | 24  |     |
| *03:31                       |     |     | 3   | 4   |     |     | 7   |     |     |     | 11  |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:32                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:33                       | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     | 19  |     |     |     |     |    |     |     |
| *03:34                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:35                       | 1   |     |     |     | 5   |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:36                       | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:37:01-03:37:02           | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:38:01-03:38:02           | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     | 22  |    |     |     |
| *03:39                       |     |     |     | 4   |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *03:40:01, 03:40:03          | 1   | 2   |     | 4   |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:40:02                    | 1   | 2   |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:41                       | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:42                       | 1   | 2   |     | 4   |     |     |     | 8   |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:43:01                    |     | 2   | 3   | 4   |     |     | 7   |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:43:02                    |     | 2   | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:44, 03:123 <sup>8</sup>  | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:45                       | 1   |     |     | 4   |     |     |     |     | 9   | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *03:46                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:47                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     | 20  |     |     |    |     |     |
| *03:48                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:49, 03:103 <sup>9</sup>  |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     | 23 |     |     |
| *03:50, 03:122 <sup>10</sup> |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:51                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:52                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:53                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| 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  |     |

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Lot No.: **94R**

Lot-specific information

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | Length of spec. |                              |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----------------|------------------------------|
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | PCR product(s)  |                              |
| 470 | 265 | 275 | 170 | 285 | 170 | 170 | 210 | 180 | 365 | 240 | 210 | 245 | 140 | 265 | 170 | 260 | 195 | 205 | 275 | 160 | 295 | 210 | 195 | 240      | 555             | Well No.                     |
| 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  |          |                 |                              |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:19                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:20N                      |
|     |     |     |     |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |     |     | 47  |     |          |                 | *03:21                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:22Q                      |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:23                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:24                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:25                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:26                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:27                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:28, 03:90 <sup>7</sup>   |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:29                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:30                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:31                       |
| 25  |     | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:32                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:33                       |
|     | 26  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:34                       |
|     | 26  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:35                       |
|     | 26  |     |     |     |     |     |     |     |     |     |     |     |     | 39  |     |     |     |     |     |     |     |     |     |          |                 | *03:36                       |
|     |     | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:37:01-03:37:02           |
| 25  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:38:01-03:38:02           |
|     |     |     |     | 29  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:39                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:40:01, 03:40:03          |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:40:02                    |
|     |     |     | 28  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:41                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:42                       |
|     |     |     |     |     |     |     |     |     | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:43:01                    |
|     |     |     |     |     |     |     |     |     | 33  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:43:02                    |
|     |     |     |     |     |     | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:44, 03:123 <sup>8</sup>  |
| 25  |     | 27  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:45                       |
|     |     |     |     |     | 30  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:46                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:47                       |
|     |     |     |     |     |     |     | 32  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:48                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:49, 03:103 <sup>9</sup>  |
|     |     |     |     |     |     |     |     |     |     |     |     | 36  |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:50, 03:122 <sup>10</sup> |
|     |     |     |     | 29  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:51                       |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     | 38  |     |     |     |     |     |     |     |     |     |          |                 | *03:52                       |
|     |     |     |     |     |     |     |     |     |     | 34  |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 | *03:53                       |
| 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No. |                 |                              |

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Lot No.: **94R**

Lot-specific information

| Length of spec.                              | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)                               |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *03:54                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:55                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:56, 03:85 <sup>11</sup>                  |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:57                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     | 21  |     |    |     |     |
| *03:58                                       |     |     | 3   |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:59                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:60                                       | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:61                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:62                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:63                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:64:01, 03:82 <sup>12</sup>               | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:64:02, 03:137,<br>03:156, 03:166, 03:170 |     |     |     | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *03:65                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    | 24  |     |
| *03:66                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:67                                       |     |     | w   | 4   |     |     | 7   |     |     |     |     |     |     |     | w   |     |     |     |     |     |     |     |    |     |     |
| *03:68                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:69                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     | 22  |    |     |     |
| *03:70, 03:78 <sup>13</sup>                  | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:71                                       | 1   | 2   |     |     | 5   |     | 8   |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:72                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:73                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:74                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:75                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:76                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:77                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:79                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    | 24  |     |
| *03:80                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:81                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:83                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     | 18  |     |     |     |     |     |    |     |     |
| *03:84                                       | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:86                                       |     |     | 3   |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:87                                       | 1   |     |     | 4   |     |     |     |     |     | 11  |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:88                                       |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     | 21  |     |    |     |     |
| *03:89, 03:139                               | 1   | 2   |     |     |     |     | 8   |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:91                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:92                                       | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| 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  |     |



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Lot No.: **94R**

Lot-specific information

|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    | Length of spec. |     |     |    |     |     |          |     |          |  |
|-----|-----|-----|----|----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|----|-----------------|-----|-----|----|-----|-----|----------|-----|----------|--|
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    | PCR product(s)  |     |     |    |     |     |          |     |          |  |
| 470 | 355 | 305 | 70 | 80 | 170 | 140 | 150 | 100 | 90 | 110 | 130 | 70 | 165 | 140 | 110 | 110 | 70 | 120             | 120 | 220 | 70 | 140 | 150 | 70       | 555 | Well No. |  |
| 25  | 26  | 27  | 28 | 29 | 30  | 31  | 32  | 33  | 34 | 35  | 36  | 37 | 38  | 39  | 40  | 41  | 42 | 43              | 44  | 45  | 46 | 47  | 48  |          |     |          |  |
|     |     |     |    |    |     |     |     |     |    | 34  |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:54                                       |
|     |     |     |    |    |     |     |     |     |    |     |     | 37 |     |     |     |     |    |                 |     |     |    |     | 47  |          |     |          | *03:55                                       |
|     |     |     |    |    |     |     |     |     |    | 35  |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:56, 03:85 <sup>11</sup>                  |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     | 47  |          |     |          | *03:57                                       |
|     |     |     |    |    |     |     | 32  |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     | 46  |          | 48  |          | *03:58                                       |
|     |     |     |    |    |     | 31  |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:59                                       |
|     |     | 27  |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:60                                       |
|     |     |     |    |    | 30  |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:61                                       |
|     |     |     |    |    |     |     |     | 33  |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:62                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     | 39  |     |     |    |                 |     |     |    |     |     |          |     |          | *03:63                                       |
|     |     |     |    |    |     |     |     |     |    | 35  |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:64:01, 03:82 <sup>12</sup>               |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:64:02, 03:137,<br>03:156, 03:166, 03:170 |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:65                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     | 40  |     |    |                 |     |     |    |     |     |          |     |          | *03:66                                       |
|     |     |     |    |    | 29  |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:67                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     | 41  |    |                 |     |     |    |     |     |          |     |          | *03:68                                       |
| 25  |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:69                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     | 42 |                 |     |     |    |     |     |          |     |          | *03:70, 03:78 <sup>13</sup>                  |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:71                                       |
|     |     |     |    |    |     |     |     |     |    |     | 36  |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:72                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     | 38  |     |     |    |                 |     |     |    |     |     |          |     |          | *03:73                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:74                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:75                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:76                                       |
|     | 26  |     |    |    |     |     |     |     |    |     |     |    |     |     | 39  |     |    |                 |     |     |    |     |     |          |     |          | *03:77                                       |
|     |     |     |    |    |     |     |     |     |    |     | 35  |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:79                                       |
|     |     |     |    |    |     |     |     |     |    |     |     | 37 |     |     | 40  |     |    |                 |     |     |    |     |     |          |     |          | *03:80                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:81                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:83                                       |
|     |     |     |    |    |     |     |     |     |    | 32  |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:84                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:86                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     | 46  |          | 48  |          | *03:87                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:88                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:89, 03:139                               |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:91                                       |
|     |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |                 |     |     |    |     |     |          |     |          | *03:92                                       |
| 25  | 26  | 27  | 28 | 29 | 30  | 31  | 32  | 33  | 34 | 35  | 36  | 37 | 38  | 39  | 40  | 41  | 42 | 43              | 44  | 45  | 46 | 47  | 48  | Well No. |     |          |  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

| Length of spec.                     | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)                      |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *03:93                              | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:94                              | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:95                              | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:96                              |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:97                              |     |     | 3   |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:98                              | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:99                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *03:100                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:101                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     | 17  |     |     |     |     |     |    |     |     |
| *03:102                             |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     | 14  | 15  |     | 18  |     |     |     |     |     |    |     |     |
| *03:109                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:113                             | 1   |     |     |     |     |     |     |     |     |     |     | 12  |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:116:01-03:116:02                |     |     | 3   | 4   |     |     | 7   | 8   |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:117                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     | 23 |     |     |
| *03:119                             |     | 2   | 3   | 4   |     |     | 7   | 8   |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:120                             |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    | 24  |     |
| *03:121N                            | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    | 24  |     |
| *03:127                             |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:130                             | 1   |     |     | 4   |     |     |     |     | 9   |     |     |     |     |     | 15  |     |     |     |     |     |     | 22  |    |     |     |
| *03:132                             |     | 2   | 3   |     |     |     | 7   |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:135, 03:154, 15:43 <sup>6</sup> | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:136                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     | 22  |    |     |     |
| *03:140                             | 1   |     |     | 4   |     |     |     |     | 9   |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:142                             |     |     | 3   | 4   |     | 6   | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:144                             |     |     |     | 4   |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *03:146                             | 1   | 2   |     |     |     |     |     |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:151                             |     |     | 3   |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:155                             | 1   |     |     | 4   |     |     |     |     |     |     |     |     |     |     | 15  |     |     |     | 20  |     |     |     |    |     |     |
| *03:161                             |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:163                             | 1   |     |     | 4   |     |     |     |     | 9   | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     | 22  |    |     |     |
| *03:165                             |     |     | 3   |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:167                             |     |     | 3   |     | 5   |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:169                             | 1   | 2   |     |     |     |     |     | 8   |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     | 23 |     |     |
| *03:171                             |     |     | 3   | 4   |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     |    |     |     |
| *03:175                             |     | 2   | 3   | 4   |     |     | 7   |     |     |     |     |     | 13  |     | 15  |     |     |     |     |     |     |     |    |     |     |
| 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  |     |

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 101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

| Lot-specific information |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    | Length of spec.<br>PCR product(s) |                                     |
|--------------------------|-----|-----|----|----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|----|-----------------------------------|-------------------------------------|
| 470                      | 355 | 305 | 70 | 80 | 170 | 140 | 150 | 100 | 90 | 110 | 130 | 70 | 165 | 140 | 110 | 110 | 70 | 120 | 120 | 220 | 70 | 140 | 150 | 70 | 555                               | Well No.                            |
| 25                       | 26  | 27  | 28 | 29 | 30  | 31  | 32  | 33  | 34 | 35  | 36  | 37 | 38  | 39  | 40  | 41  | 42 | 43  | 44  | 45  | 46 | 47  | 48  | 48 | 48                                |                                     |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     | 45  |    |     |     |    |                                   | *03:93                              |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | 46 |     |     | 48 |                                   | *03:94                              |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     | 38  |     |    |     |     |     |    |     |     |    |                                   | *03:95                              |
|                          |     |     |    | 29 | 30  |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:96                              |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     | 43  |     |    |     |     |    |                                   | *03:97                              |
|                          |     |     |    | 29 |     |     |     |     |    | 34  |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:98                              |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | 46 |     |     | 48 |                                   | *03:99                              |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     | 41 |     |     |     |    |     |     |    |                                   | *03:100                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:101                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:102                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     | 47  |    |                                   | *03:109                             |
|                          |     |     | 28 |    |     |     |     |     |    |     |     |    |     | 37  |     |     |    |     |     |     |    |     |     |    |                                   | *03:113                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:116:01-03:116:02                |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     | 37  |     |     |    |     |     |     |    |     |     | 47 |                                   | *03:117                             |
|                          |     |     |    |    |     |     |     |     |    | 33  |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:119                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | 44 |     |     |    |                                   | *03:120                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:121N                            |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     | 42  |    |     |     |    |                                   | *03:127                             |
| 25                       |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:130                             |
|                          |     |     |    |    |     |     |     |     |    | 33  |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:132                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:135, 03:154, 15:43 <sup>6</sup> |
| 25                       |     |     | 27 |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:136                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:140                             |
|                          |     |     | 26 |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:142                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:144                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:146                             |
|                          |     |     |    | 28 |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     | 41  |    |     |     |    |                                   | *03:151                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:155                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | 46 |     |     |    |                                   | *03:161                             |
| 25                       |     |     |    | 29 |     |     |     |     |    |     |     |    |     | 37  |     |     |    |     |     |     |    |     |     | 47 |                                   | *03:163                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:165                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:167                             |
|                          |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:169                             |
| 25                       |     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |    |     |     |    |                                   | *03:171                             |
|                          |     |     |    |    |     |     |     |     |    | 33  |     |    |     |     |     |     |    |     |     |     | 43 |     |     |    |                                   | *03:175                             |
| 25                       | 26  | 27  | 28 | 29 | 30  | 31  | 32  | 33  | 34 | 35  | 36  | 37 | 38  | 39  | 40  | 41  | 42 | 43  | 44  | 45  | 46 | 47  | 48  | 48 | Well No.                          |                                     |

101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

| Length of spec.  | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)   |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *01:02:01-01:02:17, 01:06-01:08, 01:10-01:11, 01:13, 01:15-01:20, 01:23, 01:25-01:33, 01:38-01:48, 01:52-01:54, 01:56N-01:64, 01:66-01:73  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *01:03, 01:24  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *01:14   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *01:51   |     |     |     |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *01:65   |     |     |     |     | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 23 |     |     |
| *02:02:01  | 1   |     |     |     |     |     |     |     | 9   | w   |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:02:02-02:02:03, 02:02:05-02:02:11, 02:02:14-02:03, 02:05-02:07, 02:09-02:11, 02:13, 02:15-02:25Q, 02:26:02-02:26:03, 02:28-02:32, 02:34-02:40, 02:43-02:48, 02:50-02:54, 02:56-02:64, 02:66, 05:58:01, 15:02:01-15:02:09, 15:02:11-15:02:15, 15:04-15:06:03, 15:08-15:09, 15:11, 15:13, 15:15, 15:17-15:19, 15:22, 15:24, 15:26-15:35, 15:38-15:42, 15:44-15:60, 15:64 | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:02:12, 15:21   | 1   |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:02:13  | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *02:04, 02:14  | w   |     |     |     |     |     |     |     | w   | w   |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:08, 15:10:02   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:12   | 1   |     |     |     |     |     |     |     |     | 10  |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| *02:26:01, 05:58:02, 15:23, B*44:85  |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 14  |     |     |     |     |     |     |     |    |     |     |
| *02:27:01-02:27:02, 15:07, 16:34   | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:33   |     |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:42   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *02:49   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| 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  |     |

101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | Length of spec. |     |     |     |     |  |  |
|-----|-----|----|----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----------------|-----|-----|-----|-----|--|--|
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | PCR product(s)  |     |     |     |     |  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     | Well No.        |     |     |     |     |  |  |
| 305 | 305 | 70 | 80 | 170 | 140 | 150 | 100 | 90 | 110 | 130 | 70 | 165 | 140 | 110 | 110 | 70 | 120 | 120 | 220 | 70              | 140 | 150 | 70  | 555 |  |  |
| 355 | 105 | 70 | 80 | 170 | 140 | 150 | 100 | 90 | 110 | 130 | 70 | 165 | 140 | 110 | 110 | 70 | 120 | 120 | 220 | 70              | 140 | 150 | 70  | 555 |  |  |
| 470 | 265 |    |    |     | 285 |     |     |    |     |     |    |     |     |     |     |    | 210 |     |     |                 |     |     | 240 |     |  |  |
| 25  | 26  | 27 | 28 | 29  | 30  | 31  | 32  | 33 | 34  | 35  | 36 | 37  | 38  | 39  | 40  | 41 | 42  | 43  | 44  | 45              | 46  | 47  | 48  |     |  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     | 46  |     |     | *01:02:01-01:02:17, 01:06-01:08, 01:10-01:11, 01:13, 01:15-01:20, 01:23, 01:25-01:33, 01:38-01:48, 01:52-01:54, 01:56N-01:64, 01:66-01:73  |  |
|     |     |    |    |     |     |     | 32  |    |     |     |    |     |     |     |     |    |     |     |     |                 |     | 46  |     |     | *01:03, 01:24  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     | 46  |     |     | *01:14   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     | 46  |     |     | *01:51   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     | 46  | 47  |     | *01:65   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:02:01  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:02:02-02:02:03, 02:02:05-02:02:11, 02:02:14-02:03, 02:05-02:07, 02:09-02:11, 02:13, 02:15-02:25Q, 02:26:02-02:26:03, 02:28-02:32, 02:34-02:40, 02:43-02:48, 02:50-02:54, 02:56-02:64, 02:66, 05:58:01, 15:02:01-15:02:09, 15:02:11-15:02:15, 15:04-15:06:03, 15:08-15:09, 15:11, 15:13, 15:15, 15:17-15:19, 15:22, 15:24, 15:26-15:35, 15:38-15:42, 15:44-15:60, 15:64 |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:02:12, 15:21   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:02:13  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:04, 02:14  |  |
|     |     |    |    |     |     |     |     |    |     | 35  |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:08, 15:10:02   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:12   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:26:01, 05:58:02, 15:23, B*44:85  |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:27:01-02:27:02, 15:07, 16:34   |  |
|     |     |    |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:33   |  |
|     |     | 27 |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:42   |  |
|     |     | 27 |    |     |     |     |     |    |     |     |    |     |     |     |     |    |     |     |     |                 |     |     |     |     | *02:49   |  |
| 25  | 26  | 27 | 28 | 29  | 30  | 31  | 32  | 33 | 34  | 35  | 36 | 37  | 38  | 39  | 40  | 41 | 42  | 43  | 44  | 45              | 46  | 47  | 48  |     | Well No.   |  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

| Length of spec.  | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)   |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *02:55   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     | 22  |    |     |     |
| *02:65   | 1   |     |     |     |     |     |     |     | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:01:01:01-04:01:04,<br>04:01:08, 04:01:10-<br>04:01:17, 04:01:19-<br>04:01:21, 04:01:24-<br>04:01:25, 04:01:27-<br>04:01:41, 04:04:01, 04:05,<br>04:07, 04:09N-04:15:03,<br>04:17-04:20, 04:23-04:31,<br>04:33, 04:35-04:36, 04:38-<br>04:42, 04:44-04:49, 04:51-<br>04:53, 04:55-04:58, 04:60-<br>04:63, 04:65-04:76, 04:78-<br>04:79, 04:81-04:84, 04:86-<br>04:94:01, 04:95N-04:98,<br>04:101-04:106, 04:108-<br>04:109, 04:111, 04:113-<br>04:119, 04:121, 04:123N-<br>04:132 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:01:06, 04:08, 04:32,<br>04:59Q, 04:85,<br><i>B*15:01:17</i>  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:01:18, 04:64:02,<br>04:120, 08:01:07,<br>08:02:07, 08:33:02  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:01:23, 18:01-18:02,<br>18:04, 18:06  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *04:03, 04:06, 04:16   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     | 22  |    |     |     |
| *04:34   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:37   |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:43   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:54, 07:02:32,<br>12:03:20, 14:02:01,<br>14:02:03-14:02:10, 14:03-<br>14:09, 14:11, 14:13-<br>14:16, 14:18-14:19,<br>14:21N-14:24:02, 14:26-<br>14:31, 14:33-14:37, 14:39-<br>14:43, 14:46, 16:01:06  |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:64:01  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| 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  |     |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 "Instructions for Use" (IFU)

Lot No.: **94R**

Lot-specific information

|    |    |    |    | Lot-specific information |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | Length of spec. |    |    |    |          |  |  |  |  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|----|----|----|----|--------------------------|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----------------|----|----|----|----------|--|--|--|--|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|-----|--|--|--|
|    |    |    |    | 305                      |    |    |    | 70  |    |    |    | 80  |    |    |    | 170 |    |    |    | PCR product(s)  |    |    |    |          |  |  |  |  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    |    | 470                      |    |    |    | 265 |    |    |    | 275 |    |    |    | 285 |    |    |    | 365             |    |    |    | 240      |  |  |  | 210  |  |  |  | 260 |  |  |  | 195 |  |  |  | 205 |  |  |  | 275 |  |  |  | 160 |  |  |  | 295 |  |  |  | 210 |  |  |  | 195 |  |  |  | 555 |  |  |  |
| 25 | 26 | 27 | 28 | 29                       | 30 | 31 | 32 | 33  | 34 | 35 | 36 | 37  | 38 | 39 | 40 | 41  | 42 | 43 | 44 | 45              | 46 | 47 | 48 | Well No. |  |  |  |  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    |    |                          |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *02:55   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    |    |                          |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *02:65   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:01:01:01-04:01:04,<br>04:01:08, 04:01:10-<br>04:01:17, 04:01:19-<br>04:01:21, 04:01:24-<br>04:01:25, 04:01:27-<br>04:01:41, 04:04:01, 04:05,<br>04:07, 04:09N-04:15:03,<br>04:17-04:20, 04:23-04:31,<br>04:33, 04:35-04:36, 04:38-<br>04:42, 04:44-04:49, 04:51-<br>04:53, 04:55-04:58, 04:60-<br>04:63, 04:65-04:76, 04:78-<br>04:79, 04:81-04:84, 04:86-<br>04:94:01, 04:95N-04:98,<br>04:101-04:106, 04:108-<br>04:109, 04:111, 04:113-<br>04:119, 04:121, 04:123N-<br>04:132 |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:01:06, 04:08, 04:32,<br>04:59Q, 04:85,<br>B*15:01:17   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    |    |                          |    |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:01:18, 04:64:02,<br>04:120, 08:01:07,<br>08:02:07, 08:33:02  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:01:23, 18:01-18:02,<br>18:04, 18:06  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    | 27 | 28 |                          |    |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:03, 04:06, 04:16   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    |     |    | 39 |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:34   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    | 32 |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    | 46 |          |  |  |  | *04:37   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    | 37  | 38 |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:43   |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    | 28 |                          |    |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:54, 07:02:32,<br>12:03:20, 14:02:01,<br>14:02:03-14:02:10, 14:03-<br>14:09, 14:11, 14:13-<br>14:16, 14:18-14:19,<br>14:21N-14:24:02, 14:26-<br>14:31, 14:33-14:37, 14:39-<br>14:43, 14:46, 16:01:06  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
|    |    |    |    | 29                       | 30 |    |    |     |    |    |    | 37  |    |    |    |     |    |    |    |                 |    |    |    |          |  |  |  | *04:64:01  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |
| 25 | 26 | 27 | 28 | 29                       | 30 | 31 | 32 | 33  | 34 | 35 | 36 | 37  | 38 | 39 | 40 | 41  | 42 | 43 | 44 | 45              | 46 | 47 | 48 | Well No. |  |  |  |  |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |     |  |  |  |





101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

| Length of spec.  | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)   |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *04:80   | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     | 22  |    |     |     |
| *04:100, 04:110  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:107  | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     | 22  |    |     |     |
| *04:112  |     |     |     |     |     |     |     |     |     |     | 11  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *04:122  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *05:01:12, 05:29:02,<br>06:02:01:01-06:02:01:02,<br>06:02:04-06:02:07,<br>06:02:09-06:02:24,<br>06:03:02-06:04, 06:06-<br>06:10, 06:12-06:13, 06:15-<br>06:43, 06:45, 06:47-<br>06:52, 06:53:02-06:69,<br>06:71-06:72, 06:74-<br>06:76:01, 06:77-06:81,<br>06:83-06:93, 07:76,<br>12:04:01, 17:01:02-<br>17:01:03, 17:01:05-<br>17:01:09, 17:04, 17:06-<br>17:15 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *05:36, 12:08, 12:81   |     |     |     |     |     |     |     |     |     |     | 11  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *05:55, 07:184,<br><i>B*35:08:04, B*37:04:02</i>   |     |     |     |     |     |     |     |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *05:85   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *06:02:03, 06:46N,<br>17:01:01:01-17:01:01:02,<br>17:02-17:03, 17:05   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *06:02:08, 14:12   |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *06:03:01  | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     | w   | 16  |     |     |     |     |     |     |    |     |     |
| *06:14, 06:73  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *06:44   |     |     |     |     |     |     | 7   |     |     |     | 11  |     |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *06:53:01  |     |     |     |     |     |     | 7   |     |     |     |     | 12  |     |     |     | 16  |     |     |     |     |     |     |    |     |     |
| *06:70   |     |     |     |     |     |     |     |     |     |     |     |     |     | 14  |     | 16  |     |     |     |     |     | 22  |    |     |     |
| 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  |     |

101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Length of spec. |     |     |          |     |  |  |
|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|----------|-----|--|--|
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | PCR product(s)  |     |     |          |     |  |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Well No.        |     |     |          |     |  |  |
| 305 | 305 | 70  | 80 | 170 | 140 | 150 | 100 | 90  | 110 | 130 | 70  | 165 | 140 | 110 | 110 | 70  | 120 | 120 | 220 | 70              | 140 | 150 | 70       | 555 |  |  |
| 470 | 265 | 275 |    |     | 285 | 170 | 210 | 180 | 365 | 240 | 210 | 245 |     | 265 | 170 | 260 | 195 | 205 | 275 | 160             | 295 | 210 | 195      |     |  |  |
| 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45              | 46  | 47  | 48       |     |  |  |
| 25  |     | 27  | 28 |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |                 |     |     |          |     | *04:80   |  |
| 25  |     |     | 28 |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |                 |     |     |          |     | *04:100, 04:110  |  |
|     |     |     | 28 |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |                 |     |     |          |     | *04:107  |  |
|     |     |     | 28 |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |                 |     |     |          |     | *04:112  |  |
|     |     |     | 28 |     |     |     |     |     |     |     |     | 37  | 39  |     |     |     |     |     |     |                 |     |     |          |     | *04:122  |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *05:01:12, 05:29:02,<br>06:02:01:01-06:02:01:02,<br>06:02:04-06:02:07,<br>06:02:09-06:02:24,<br>06:03:02-06:04, 06:06-<br>06:10, 06:12-06:13, 06:15-<br>06:43, 06:45, 06:47-<br>06:52, 06:53:02-06:69,<br>06:71-06:72, 06:74-<br>06:76:01, 06:77-06:81,<br>06:83-06:93, 07:76,<br>12:04:01, 17:01:02-<br>17:01:03, 17:01:05-<br>17:01:09, 17:04, 17:06-<br>17:15 |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *05:36, 12:08, 12:81   |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *05:55, 07:184,<br>B*35:08:04, B*37:04:02  |  |
|     |     |     |    |     |     |     | 32  |     |     |     |     |     |     |     |     |     |     |     |     |                 | 46  | 48  |          |     | *05:85   |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     | 41  |     |     |     |                 |     |     |          |     | *06:02:03, 06:46N,<br>17:01:01:01-17:01:01:02,<br>17:02-17:03, 17:05   |  |
|     |     |     | 28 |     |     |     |     |     |     |     |     | 37  |     |     |     |     |     |     |     |                 |     |     |          |     | *06:02:08, 14:12   |  |
|     |     | 27  |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *06:03:01  |  |
| 25  |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *06:14, 06:73  |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *06:44   |  |
|     |     |     |    | 29  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *06:53:01  |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     |          |     | *06:70   |  |
| 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45              | 46  | 47  | 48       |     |  |  |
|     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                 |     |     | Well No. |     |  |  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **94R**

Lot-specific information

| Length of spec.  | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90  | 160 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product(s)   |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 195 | 260 | 255 | 240 |     | 260 | 200 |
| 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  |
| *07:01:01:01-07:01:24,<br>07:01:26-07:01:31, 07:06,<br>07:16, 07:18-07:19,<br>07:22, 07:24, 07:26,<br>07:28, 07:30, 07:35-<br>07:36, 07:40, 07:44, 07:52-<br>07:53, 07:55N, 07:57-<br>07:59, 07:65, 07:70-<br>07:71, 07:73, 07:77-<br>07:78, 07:81-07:83,<br>07:86, 07:89, 07:91-<br>07:95, 07:98N, 07:103-<br>07:104N, 07:106, 07:108,<br>07:110-07:113, 07:115-<br>07:116, 07:118-07:120,<br>07:122, 07:124, 07:128-<br>07:129, 07:131-07:132,<br>07:134, 07:140-<br>07:141:02, 07:148,<br>07:150Q-07:151, 07:153,<br>07:162, 07:164N-07:166,<br>07:170, 07:173, 07:176,<br>07:179-07:180, 07:182,<br>07:188-07:191N, 07:197,<br>07:200-07:201, 07:203-<br>07:207, 07:210, 07:212,<br>07:214-07:215, 07:219,<br>07:222-07:224, 07:227N-<br>07:228, 07:230-07:231,<br>07:235-07:237, 07:246-<br>07:250, 07:253-07:257,<br>07:266-07:269, 07:276-<br>07:282, 07:292, <i>B</i> *07:93,<br><i>B</i> *35:195, <i>B</i> *35:211,<br><i>B</i> *38:27, <i>B</i> *51:76 |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *07:02:10  | w   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| *07:07, 07:09  |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *07:10, 07:43  |     |     |     |     |     |     |     |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |     |     |
| *07:20   |     |     |     |     |     |     | 7   |     |     |     |     |     |     | 14  |     |     |     |     |     |     |     | 22  |     |     |
| *07:56:01, 07:109  |     |     |     |     |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |     |     |
| *07:60, 07:79  |     |     |     |     |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |     |     |
| 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  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

| Lot-specific information |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           | Length of spec. |           |           |           |           |           |           |           |                 |     |  |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----|--|
| 470                      | 355       | 305       | 70        | 80        | 170       | 140       | 150       | 100       | 90        | 110       | 130       | 70        | 165       | 140       | 110       | 110             | 70        | 120       | 120       | 220       | 70        | 140       | 150       | 70              | 555 | PCR product(s)   |
| 25                       | 26        | 27        | 28        | 29        | 30        | 31        | 32        | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41              | 42        | 43        | 44        | 45        | 46        | 47        | 48        | Well No.        |     |  |
|                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:01:01:01-07:01:24,<br>07:01:26-07:01:31, 07:06,<br>07:16, 07:18-07:19,<br>07:22, 07:24, 07:26,<br>07:28, 07:30, 07:35-<br>07:36, 07:40, 07:44, 07:52-<br>07:53, 07:55N, 07:57-<br>07:59, 07:65, 07:70-<br>07:71, 07:73, 07:77-<br>07:78, 07:81-07:83,<br>07:86, 07:89, 07:91-<br>07:95, 07:98N, 07:103-<br>07:104N, 07:106, 07:108,<br>07:110-07:113, 07:115-<br>07:116, 07:118-07:120,<br>07:122, 07:124, 07:128-<br>07:129, 07:131-07:132,<br>07:134, 07:140-<br>07:141:02, 07:148,<br>07:150Q-07:151, 07:153,<br>07:162, 07:164N-07:166,<br>07:170, 07:173, 07:176,<br>07:179-07:180, 07:182,<br>07:188-07:191N, 07:197,<br>07:200-07:201, 07:203-<br>07:207, 07:210, 07:212,<br>07:214-07:215, 07:219,<br>07:222-07:224, 07:227N-<br>07:228, 07:230-07:231,<br>07:235-07:237, 07:246-<br>07:250, 07:253-07:257,<br>07:266-07:269, 07:276-<br>07:282, 07:292, B*07:93,<br>B*35:195, B*35:211,<br>B*38:27, B*51:76 |
|                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:02:10  |
|                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:07, 07:09  |
| <b>25</b>                |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:10, 07:43  |
|                          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:20   |
|                          |           |           |           | <b>29</b> |           |           |           |           |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:56:01, 07:109  |
|                          |           |           |           | <b>29</b> |           |           |           | <b>33</b> |           |           |           |           |           |           |           |                 |           |           |           |           |           |           |           |                 |     | *07:60, 07:79  |
| <b>25</b>                | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> | <b>31</b> | <b>32</b> | <b>33</b> | <b>34</b> | <b>35</b> | <b>36</b> | <b>37</b> | <b>38</b> | <b>39</b> | <b>40</b> | <b>41</b>       | <b>42</b> | <b>43</b> | <b>44</b> | <b>45</b> | <b>46</b> | <b>47</b> | <b>48</b> | <b>Well No.</b> |     |  |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

| Length of spec.                     | 280 | 210 | 280 | 275 | 275 | 90  | 110 | 255 | 240 | 250 | 145 | 260 | 80  | 70  | 135 | 150 | 100 | 165 | 105 | 165 | 210 | 195 | 90 | 160 |     |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| PCR product(s)                      |     |     |     |     |     | 215 | 185 |     |     |     | 415 | 305 | 140 | 210 |     |     |     | 225 | 195 | 260 | 255 | 240 |    | 260 | 200 |
| 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  |     |
| *07:96:01-07:96:02                  | 1   |     |     |     |     |     | 7   |     |     |     |     |     |     |     | 15  |     |     |     |     |     |     |     | 22 |     |     |
| *07:127                             | w   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| *07:133                             |     | 2   |     |     | 5   |     |     | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *07:196                             |     |     |     |     |     |     | 7   |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *07:242                             |     | 2   |     |     | 5   |     |     | 8   |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *07:263                             |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| *08:20, 08:40, 12:44,<br>B*35:178   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *08:24                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *12:03:23                           | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *12:17                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *12:58                              |     |     |     |     |     |     |     |     |     |     |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *14:02:11, 14:44                    |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *14:10                              |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *14:20, 14:25, 14:38,<br>B*15:78:03 |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *14:32                              |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *14:45                              |     |     |     |     |     |     |     |     |     |     |     |     | 13  |     |     |     |     |     |     |     |     |     |    |     |     |
| *15:02:10                           | 1   |     |     |     |     |     | 7   |     | 9   | 10  |     |     |     |     | 15  | 16  |     |     |     |     |     |     |    |     |     |
| *15:03, 15:16                       | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| *15:12                              |     |     | 3   |     |     |     |     |     | 9   | 10  |     | 12  |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *15:25                              | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 22 |     |     |
| *15:37                              | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *15:62                              | 1   |     |     |     |     |     |     |     | 9   | 10  |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *16:18                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| *18:03                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |    |     |     |
| *18:05                              |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 16  |    |     |     |
| B*08:39                             |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| B*15:96                             |     | 2   |     |     | 5   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  |    |     |     |
| B*35:101:02                         |     |     |     |     |     |     | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |
| B*55:30                             |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 14  |     |     |     |     |     |     |     |    |     |     |
| B*56:37                             |     |     |     |     |     |     |     | 8   |     |     |     |     |     | w   |     |     |     |     |     |     |     | 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  |     |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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### Lot No.: 94R

### Lot-specific information

<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-C\*03 subtyping.

In addition, wells number 3, 6, 10, 19, 22, 31 and 43 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>, 3<sup>rd</sup> or 4<sup>th</sup> exons or the 3<sup>rd</sup> intron, matching the specificity-determining 3'-end of the primer is given. Nucleotide 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>3</sup>The nucleotide position, in the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> or 5<sup>th</sup> exons, 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/imgt/hla](http://www.ebi.ac.uk/imgt/hla) web site. The sequence of the 3 terminal nucleotides of the primer is given.

<sup>4</sup>The nucleotide sequence of the HLA-Cw\*0301 allele has been shown to be identical to C\*03:04:01:01.

<sup>5</sup>HLA-C\*03 alleles in bold lettering are listed as confirmed alleles on the IMGT/HLA web page [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), release 3.10.0, October 2012.

<sup>6</sup>The C\*03:135, C\*03:154, and C\*15:43 give rise to identical amplification patterns with the HLA-C\*03 subtyping kit. These two alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C\*15 subtyping kits.

<sup>7</sup>The C\*03:28 and 03:90 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

<sup>8</sup>The C\*03:44 and 03:123 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 31.

<sup>9</sup>The C\*03:49 and 03:103 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

<sup>10</sup>The C\*03:50 and 03:122 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

<sup>11</sup>The C\*03:56 and 03:85 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

<sup>12</sup>The C\*03:64:01 and 03:82 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

<sup>13</sup>The C\*03:70 and 03:78 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 42.

<sup>14</sup>Primer mix 6: Specific PCR fragment of 90 bp in the C\*03:21 and 03:142 and the B\*15:96 alleles. Specific PCR fragment of 215 bp in the C\*03:06 allele.

Primer mix 7: Specific PCR fragment of 110 bp in the C\*03:08 and 03:29 and the C\*06:44, 07:01:01:01-07:01:24, 07:01:26-07:01:31, 07:06-07:07, 07:09, 07:16, 07:18-07:20, 07:22, 07:24, 07:26, 07:28, 07:30, 07:35-07:36, 07:40, 07:44, 07:52-07:53, 07:55N, 07:57-07:59, 07:65, 07:70-07:71, 07:73, 07:77-07:78, 07:81-07:83, 07:86, 07:89, 07:91-07:96:02, 07:98N, 07:103-07:104N, 07:106, 07:108, 07:110-07:113, 07:115-07:116, 07:118-07:120, 07:122, 07:124, 07:128-07:129, 07:131-07:132, 07:134, 07:140-07:141:02, 07:148, 07:150Q-07:151, 07:153, 07:162, 07:164N-07:166, 07:170, 07:173, 07:176, 07:179-07:180, 07:182, 07:188-07:191N, 07:196-07:197, 07:200-07:201, 07:203-07:207, 07:210, 07:212, 07:214-07:215, 07:219, 07:222-07:224, 07:227N-07:228, 07:230-07:231, 07:235-07:237, 07:246-07:250, 07:253-07:257, 07:263, 07:266-07:269, 07:276-07:282, 07:292, 15:02:10 and 18:05 alleles. Specific PCR fragment of 185 bp in the C\*03:03:01-03:03:19, 03:11:01-03:13, 03:18, 03:20N-03:22Q, 03:30, 03:39, 03:43:01-03:43:02, 03:49-03:50, 03:52-03:53, 03:55-03:56, 03:58-03:59, 03:61-03:62, 03:66-03:69, 03:75-03:76, 03:79, 03:81, 03:83, 03:85-03:86, 03:88, 03:96-03:97, 03:102-03:103, 03:112, 03:116:01-03:116:02, 03:119-03:120, 03:122, 03:124, 03:126-03:127, 03:132-03:133, 03:141-03:142, 03:144, 03:150-03:152, 03:158, 03:160-03:161, 03:165, 03:167-03:168, 03:171 and 03:175 and the C\*01:51, 06:53:01, 07:56:01, 07:79 and in the B\*07:93, B\*08:39, B\*35:101:02, 35:195, 35:211, B\*38:27 and B\*51:76 alleles. Specific PCR fragments of 110 and 185 bp in the C\*03:31 and in the C\*07:60 and 07:109 alleles.

Primer mix 11: Specific PCR fragment of 145 bp in the C\*03:87 allele. Specific PCR fragment of 415 bp in the C\*03:08, 03:29 and 03:31 and in the C\*04:112, 05:36, 06:44, 12:08 and 12:81 alleles.



101.611-12 – including *Taq* polymerase, IFU-01  
101.611-12u – without *Taq* polymerase, IFU-02

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**Lot No.: 94R****Lot-specific information**

Primer mix 12: Specific PCR fragment of 260 bp in the C\*03:03:12, 03:03:15, 03:11:01, 03:18 and 03:39 and the C\*01:51, 05:55, 06:53:01, 07:56:01, 07:60, 07:79, 07:109, 12:58 and 15:12 alleles. Specific PCR fragment of 305 bp in the C\*03:04:19 and 03:113 and the C\*07:10, 07:43, 07:184 and 07:196 and in the B\*35:08:04 and B\*37:04:02 alleles.

Primer mix 13: Specific PCR fragment of 80 bp in the C\*03:02:01-03:02:09, 03:15-03:16, 03:33, 03:36, 03:40:01, 03:40:03, 03:42-03:43:01, 03:60, 03:84, 03:89, 03:95, 03:108, 03:110, 03:121N, 03:132, 03:139, 03:146, 03:169 and 03:175 and the C\*04:54, 07:02:32, 07:242, 14:08-14:09, 14:28, and in the B\*15:78:03 alleles. Specific PCR fragment of 140 bp in the C\*03:17 and the C\*04:37, 14:24:02, 14:26, 16:01:06 alleles. Specific PCR fragments of 80 and 140 bp in the C\*03:71 and in the C\*06:02:08, 12:03:20, 14:02:01, 14:02:03-14:07N, 14:10-14:16, 14:18-14:24:01, 14:25, 14:27, 14:29-14:46 and 16:01:06 alleles.

Primer mix 14: Specific PCR fragment of 70 bp in the C\*03:04:26 and the C\*02:26:01, 05:58:02, 06:70, 07:20 and 15:23 and in the B\*44:85 and B\*55:30 alleles. Specific PCR fragment of 210 bp in the C\*03:12, 03:19 and 03:102 and in the B\*56:37<sup>w</sup> alleles.

Primer mix 18: Specific PCR fragment of 165 bp in the C\*03:102 and in the B\*15:96 and B\*56:37 alleles. Specific PCR fragment of 195 bp in the C\*03:83 allele. Specific PCR fragment of 225 bp in the C\*03:23 allele.

Primer mix 19: Specific PCR fragment of 105 bp in the C\*03:24 allele. Specific PCR fragment of 260 bp in the C\*03:33 allele.

Primer mix 20: Specific PCR fragment of 165 bp in the C\*03:25 and 03:155 alleles. Specific PCR fragment of 255 bp in the C\*03:47 allele.

Primer mix 21: Specific PCR fragment of 210 bp in the C\*03:26 allele. Specific PCR fragment of 240 bp in the C03:57 and 03:88 alleles.

Primer mix 23: Specific PCR fragment of 90 bp in the C\*03:28, 03:49 and 03:117 and the C\* 01:65 alleles. Specific PCR fragment of 260 bp in the C\*03:22Q, 03:90, 03:103 and 03:169 alleles.

Primer mix 24: Specific PCR fragment of 160 bp in the C\*03:120 allele. Specific PCR fragment of 200 bp in the C\*03:30, 03:65, 03:79 and 03:121N alleles.

Primer mix 25: Specific PCR fragment of 305 bp in the C\*03:32 and 03:45 and the 15:62 and in the B\*35:178 alleles. Specific PCR fragment of 355 bp in the C\*03:38:01-03:38:02, 03:69, 03:130 and 03:163 and the C\*12:44, 15:03 and 15:16 alleles. Specific PCR fragment of 470 bp in the C\*03:171, 06:73, 08:20 and 08:40 alleles. Specific PCR fragments of 305 and 355 bp in the C\*03:136 and the C\*04:80, 04:100, 04:110, 06:14, 07:10, 07:43, 07:196 and 15:25 alleles.

Primer mix 26: Specific PCR fragment of 70 bp in the C\*03:34 and 03:142 alleles. Specific PCR fragment of 105 bp in the C\*03:36 and 03:77 alleles. Specific PCR fragment of 265 bp in the C\*03:13 and 03:35 and in the C\*07:133 and 07:242 and the B\*15:96 alleles.

Primer mix 27: Specific PCR fragment of 80 bp in the C\*03:11:01-03:11:02, 03:37:01-03:37:02 and the C\*02:42 alleles. Specific PCR fragment of 275 bp in the C\*03:15, 03:32, 03:45, 03:60 and 03:136 and the 02:49, 04:03, 04:06, 04:16, 04:80, 07:96:01-07:96:02, 15:25 and 15:62 alleles. Specific PCR fragment of 80 and 275 bp in the C\*06:03:01 allele.

Primer mix 29: Specific PCR fragment of 140 bp in the C\*03:98 allele. Specific PCR fragment of 170 bp in the C\*03:51, 03:96 and 03:161 and in the C\*04:64:01 alleles. Specific PCR fragment of 285 bp in the C\*03:39 and 03:67 and the C\*06:53:01, 07:56:01, 07:60, 07:79 and 07:109 and in the B\*08:39 alleles.

Primer mix 30: Specific PCR fragment of 150 bp in the C\*03:61 allele. Specific PCR fragment of 170 bp in the C\*03:46 and 03:96 and the C\*04:64:01 alleles.

Primer mix 31: Specific PCR fragment of 100 bp in the C\*03:59 and 03:123 alleles. Specific PCR fragment of 210 bp in the C\*03:44 allele.

Primer mix 32: Specific PCR fragment of 90 bp in the C\*03:58 and in the C\*01:03, 01:24, 04:37 and 05:85 alleles. Specific PCR fragment of 180 bp in the C\*03:48 and 03:84 alleles.

Primer mix 33: Specific PCR fragment of 110 bp in the C\*03:62 allele. Specific PCR fragment of 365 bp in the C\*03:43:01-03:43:02, 03:119, 03:132 and 03:175 and the C\*07:60, 07:79, 12:58 and 14:10 and in the B\*35:101:02 alleles.

Primer mix 34: Specific PCR fragment of 130 bp in the C\*03:54 and 03:98 alleles. Specific PCR fragment of 240 bp in the C\* 03:53 and the C\*12:17 alleles.

Primer mix 35: Specific PCR fragment of 70 bp in the C \*03:64:01 and the C02:08, 12:03:23 and 15:10:02 alleles. Specific PCR fragment of 120 bp in the C\*03:56 allele. Specific PCR fragment of 210 bp in the C\*03:79, 03:82 and 03:85 alleles.

101.611-12 – including *Taq* polymerase, IFU-01  
101.611-12u – without *Taq* polymerase, IFU-02

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**Lot No.: 94R****Lot-specific information**

Primer mix 36: Specific PCR fragment of 165 bp in the C\*03:122 allele. Specific PCR fragment of 245 bp in the C\*03:50 and 03:72 alleles.

Primer mix 38: Specific PCR fragment of 110 bp in the C\*03:52 and 03:95 and in the C\*04:43 alleles. Specific PCR fragment of 265 bp in the C\*03:73 allele.

Primer mix 39: Specific PCR fragment of 110 bp in the \*03:36, 03:77 and the 04:34 and 04:122 alleles. Specific PCR fragment of 170 bp in the C\*03:63 allele.

Primer mix 40: Specific PCR fragment of 70 bp in the C\*03:80 alleles. Specific PCR fragment of 260 bp in the C\*03:66 allele.

Primer mix 41: Specific PCR fragment of 120 bp in the C\*03:68 alleles. Specific PCR fragment of 195 bp in the C\*03:100 and 03:146, 06:02:03, 06:46N, 08:24, 17:01:01:01-17:01:01:02, 17:02-17:03 and 17:05 alleles.

Primer mix 42: Specific PCR fragment of 120 bp in the C\*03:78 alleles. Specific PCR fragment of 205 bp in the C\*03:70 and 03:127 and in the B\*55:30 alleles.

Primer mix 43: Specific PCR fragment of 220 bp in the C\*03:74, 03:81 and 03:175 and in the B\*15:96 and B\*56:37 alleles. Specific PCR fragment of 275 bp in the C\*03:97 allele.

Primer mix 44: Specific PCR fragment of 70 bp in the C\*03:91 allele. Specific PCR fragment of 160 bp in the C\*03:75 and 03:120 alleles.

Primer mix 45: Specific PCR fragment of 140 bp in the C\*03:93 alleles. Specific PCR fragment of 295 bp in the C\*03:76 allele.

Primer mix 46: Specific PCR fragment of 150 bp in the C\*03:155 allele. Specific PCR fragment of 210 bp in the C\*03:58, 03:86, 03:94, 03:99 and the 01:02:01-01:03, 01:06-01:08, 01:10-01:11, 01:13-01:20, 01:23-01:33, 01:38-01:48, 01:51-01:54, 01:56N-01:73, 04:37, 05:85 and 14:45 alleles

Primer mix 47: Specific PCR fragment of 70 bp in the C\*03:14, 03:21, 03:55, 03:92, 03:117 and 03:161 and the 01:65 and 07:133 alleles. Specific PCR fragment of 195 bp in the C\*03:109 allele. Specific PCR fragment of 240 bp in the C\*03:57 allele.

‘w’, might be weakly amplified.

101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

| CELL LINE VALIDATION SHEET |                 |  |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|-----------------|--|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HLA-C*03 SSP subtyping kit |                 |  |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |  |        | Well       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |  |        | 1          | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        |           |
|                            |                 |  |        | Prod. No.: | 201299401 | 201299402 | 201299403 | 201299404 | 201299405 | 201299406 | 201299407 | 201314308 | 201299409 | 201299410 | 201299411 | 201299412 | 201299413 | 201314314 | 201299415 | 201299416 |
|                            | IHWC cell line  |  | C*     |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                          | 9001 SA         |  | *07:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 2                          | 9280 LK707      |  | *07:01 | *15:05     | +         | -         | -         | -         | -         | -         | -         | +         | -         | +         | +         | -         | -         | -         | -         | -         |
| 3                          | 9011 E4181324   |  | *12:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 4                          | 9275 GU373      |  | *03:04 | *04:01     | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 5                          | 9009 KAS011     |  | *06:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 6                          | 9353 SM         |  | *03:04 | *07:02     | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 7                          | 9020 QBL        |  | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 8                          | 9025 DEU        |  | *04:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 9                          | 9026 YAR        |  | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 10                         | 9107 LKT3       |  | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 11                         | 9051 PITOUT     |  | *16:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 12                         | 9052 DBB        |  | *06:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 13                         | 9004 JESTHOM    |  | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 14                         | 9071 OLGA       |  | *01:02 | *03:04     | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 15                         | 9075 DKB        |  | *03:04 |            | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 16                         | 9037 SWEIG007   |  | *02:02 |            | +         | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         |
| 17                         | 9282 CTM3953540 |  | *03:03 | *07:01     | -         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 18                         | 9257 32367      |  | *01:02 | *07:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 19                         | 9038 BM16       |  | *07:01 |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 20                         | 9059 SLE005     |  | *03:04 |            | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 21                         | 9064 AMALA      |  | *03:03 |            | -         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 22                         | 9056 KOSE       |  | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 23                         | 9124 IHL        |  | *01:02 | *15:02     | +         | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         |
| 24                         | 9035 JBUSH      |  | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 25                         | 9049 IBW9       |  | *08:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26                         | 9285 WT49       |  | *07:01 |            | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 27                         | 9191 CH1007     |  | *07:04 | *15:05     | +         | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         |
| 28                         | 9320 BEL5GB     |  | *05:01 | *16:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 29                         | 9050 MOU        |  | *16:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 30                         | 9021 RSH        |  | *17:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 31                         | 9019 DUCAF      |  | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 32                         | 9297 HAG        |  | *17:01 | *17:03     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 33                         | 9098 MT14B      |  | *03:04 |            | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 34                         | 9104 DHIF       |  | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 35                         | 9302 SSTO       |  | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 36                         | 9024 KT17       |  | *03:03 | *04:01     | -         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 37                         | 9065 HHKB       |  | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 38                         | 9099 LZL        |  | *03:03 |            | -         | -         | +         | +         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 39                         | 9315 CML        |  | *02:02 | *07:01     | +         | -         | -         | -         | -         | -         | +         | -         | +         | +         | -         | -         | -         | -         | -         | -         |
| 40                         | 9134 WHONP199   |  | *01:02 | *06:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 41                         | 9055 H0301      |  | *08:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 42                         | 9066 TAB089     |  | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 43                         | 9076 T7526      |  | *01:02 | *08:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 44                         | 9057 TEM        |  | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 45                         | 9239 SHJO       |  | *06:02 | *17:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 46                         | 9013 SCHU       |  | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 47                         | 9045 TUBO       |  | *07:04 | *15:02     | +         | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         |
| 48                         | 9303 TER-ND     |  | *04:01 | *16:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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

Lot No.: **94R**

Lot-specific information

| CELL LINE VALIDATION SHEET |                 |  |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|-----------------|--|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HLA-C*03 SSP subtyping kit |                 |  |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |  |        | Well       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |  |        | 17         | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32        |
|                            |                 |  |        | Prod. No.: |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |  |        | 201299417  | 201299418 | 201299419 | 201314320 | 201299421 | 201299422 | 201299423 | 201299424 | 201314325 | 201299426 | 201299427 | 201299428 | 201299429 | 201299430 | 201299431 | 201299432 |
|                            | IHWC cell line  |  | C*     |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                          | 9001 SA         |  | *07:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 2                          | 9280 LK707      |  | *07:01 | *15:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 3                          | 9011 E4181324   |  | *12:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 4                          | 9275 GU373      |  | *03:04 | *04:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 5                          | 9009 KAS011     |  | *06:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 6                          | 9353 SM         |  | *03:04 | *07:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 7                          | 9020 QBL        |  | *05:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 8                          | 9025 DEU        |  | *04:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 9                          | 9026 YAR        |  | *12:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 10                         | 9107 LKT3       |  | *01:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 11                         | 9051 PITOUT     |  | *16:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 12                         | 9052 DBB        |  | *06:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 13                         | 9004 JESTHOM    |  | *01:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 14                         | 9071 OLGA       |  | *01:02 | *03:04     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 15                         | 9075 DKB        |  | *03:04 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 16                         | 9037 SWEIG007   |  | *02:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 17                         | 9282 CTM3953540 |  | *03:03 | *07:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 18                         | 9257 32367      |  | *01:02 | *07:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 19                         | 9038 BM16       |  | *07:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 20                         | 9059 SLE005     |  | *03:04 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 21                         | 9064 AMALA      |  | *03:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 22                         | 9056 KOSE       |  | *12:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 23                         | 9124 IHL        |  | *01:02 | *15:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 24                         | 9035 JBUSH      |  | *12:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 25                         | 9049 IBW9       |  | *08:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26                         | 9285 WT49       |  | *07:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 27                         | 9191 CH1007     |  | *07:04 | *15:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 28                         | 9320 BEL5GB     |  | *05:01 | *16:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 29                         | 9050 MOU        |  | *16:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 30                         | 9021 RSH        |  | *17:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 31                         | 9019 DUCAF      |  | *05:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 32                         | 9297 HAG        |  | *17:01 | *17:03     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 33                         | 9098 MT14B      |  | *03:04 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 34                         | 9104 DHIF       |  | *12:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 35                         | 9302 SSTO       |  | *05:01 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 36                         | 9024 KT17       |  | *03:03 | *04:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |
| 37                         | 9065 HHKB       |  | *07:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 38                         | 9099 LZL        |  | *03:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 39                         | 9315 CML        |  | *02:02 | *07:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 40                         | 9134 WHONP199   |  | *01:02 | *06:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 41                         | 9055 H0301      |  | *08:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 42                         | 9066 TAB089     |  | *01:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 43                         | 9076 T7526      |  | *01:02 | *08:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 44                         | 9057 TEM        |  | *12:03 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 45                         | 9239 SHJO       |  | *06:02 | *17:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 46                         | 9013 SCHU       |  | *07:02 | -          | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 47                         | 9045 TUBO       |  | *07:04 | *15:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 48                         | 9303 TER-ND     |  | *04:01 | *16:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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

Lot No.: **94R**

Lot-specific information

| <b>CELL LINE VALIDATION SHEET</b> |                 |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------------------------------|-----------------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>HLA-C*03 SSP subtyping kit</b> |                 |        |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                   |                 |        |            | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                                   |                 |        |            | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41        | 42        | 43        | 44        | 45        | 46        | 47        | 48        |
|                                   |                 |        | Prod. No.: | 201314333 | 201299434 | 201299435 | 201299436 | 201299437 | 201299438 | 201299439 | 201299440 | 201314341 | 201299442 | 201299443 | 201299444 | 201299445 | 201314346 | 201299447 | 201299448 |
|                                   | IHCW cell line  | C*     |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                                 | 9001 SA         | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 2                                 | 9280 LK707      | *07:01 | *15:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 3                                 | 9011 E4181324   | *12:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 4                                 | 9275 GU373      | *03:04 | *04:01     | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 5                                 | 9009 KAS011     | *06:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 6                                 | 9353 SM         | *03:04 | *07:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 7                                 | 9020 QBL        | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 8                                 | 9025 DEU        | *04:01 |            | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 9                                 | 9026 YAR        | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 10                                | 9107 LKT3       | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |
| 11                                | 9051 PITOUT     | *16:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 12                                | 9052 DBB        | *06:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 13                                | 9004 JESTHOM    | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 14                                | 9071 OLGA       | *01:02 | *03:04     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 15                                | 9075 DKB        | *03:04 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 16                                | 9037 SWEIG007   | *02:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 17                                | 9282 CTM3953540 | *03:03 | *07:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 18                                | 9257 32367      | *01:02 | *07:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 19                                | 9038 BM16       | *07:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 20                                | 9059 SLE005     | *03:04 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 21                                | 9064 AMALA      | *03:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 22                                | 9056 KOSE       | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 23                                | 9124 IHL        | *01:02 | *15:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 24                                | 9035 JBUSH      | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 25                                | 9049 IBW9       | *08:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26                                | 9285 WT49       | *07:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 27                                | 9191 CH1007     | *07:04 | *15:05     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 28                                | 9320 BEL5GB     | *05:01 | *16:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 29                                | 9050 MOU        | *16:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 30                                | 9021 RSH        | *17:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 31                                | 9019 DUCAF      | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 32                                | 9297 HAG        | *17:01 | *17:03     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 33                                | 9098 MT14B      | *03:04 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 34                                | 9104 DHIF       | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 35                                | 9302 SSTO       | *05:01 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 36                                | 9024 KT17       | *03:03 | *04:01     | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 37                                | 9065 HHKB       | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 38                                | 9099 LZL        | *03:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 39                                | 9315 CML        | *02:02 | *07:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 40                                | 9134 WHONP199   | *01:02 | *06:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 41                                | 9055 H0301      | *08:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 42                                | 9066 TAB089     | *01:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 43                                | 9076 T7526      | *01:02 | *08:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         |
| 44                                | 9057 TEM        | *12:03 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 45                                | 9239 SHJO       | *06:02 | *17:01     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 46                                | 9013 SCHU       | *07:02 |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 47                                | 9045 TUBO       | *07:04 | *15:02     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 48                                | 9303 TER-ND     | *04:01 | *16:01     | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |



101.611-12 – including *Taq* polymerase, IFU-01  
 101.611-12u – without *Taq* polymerase, IFU-02

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

Lot No.: **94R**

Lot-specific information

## CERTIFICATE OF ANALYSIS

### Olerup SSP® HLA-C\*03 SSP

Product number: **101.611-12 – including *Taq* polymerase  
 101.611-12u – without *Taq* polymerase**

Lot number: **94R**

Expiry date: **2015-September-01**

Number of tests: **12**

Number of wells per test: **48**

#### Well specifications:

| Well No. | Production No. | Well No. | Production No. | Well No. | Production No. |
|----------|----------------|----------|----------------|----------|----------------|
| 1        | 2012-994-01    | 17       | 2012-994-17    | 33       | 2013-143-33    |
| 2        | 2012-994-02    | 18       | 2012-994-18    | 34       | 2012-994-34    |
| 3        | 2012-994-03    | 19       | 2012-994-19    | 35       | 2012-994-35    |
| 4        | 2012-994-04    | 20       | 2013-143-20    | 36       | 2012-994-36    |
| 5        | 2012-994-05    | 21       | 2012-994-21    | 37       | 2012-994-37    |
| 6        | 2012-994-06    | 22       | 2012-994-22    | 38       | 2012-994-38    |
| 7        | 2012-994-07    | 23       | 2012-994-23    | 39       | 2012-994-39    |
| 8        | 2013-143-08    | 24       | 2012-994-24    | 40       | 2012-994-40    |
|          |                |          |                |          |                |
| 9        | 2012-994-09    | 25       | 2013-143-25    | 41       | 2013-143-41    |
| 10       | 2012-994-10    | 26       | 2012-994-26    | 42       | 2012-994-42    |
| 11       | 2012-994-11    | 27       | 2012-994-27    | 43       | 2012-994-43    |
| 12       | 2012-994-12    | 28       | 2012-994-28    | 44       | 2012-994-44    |
| 13       | 2012-994-13    | 29       | 2012-994-29    | 45       | 2012-994-45    |
| 14       | 2013-143-14    | 30       | 2012-994-30    | 46       | 2013-143-46    |
| 15       | 2012-994-15    | 31       | 2012-994-31    | 47       | 2012-994-47    |
| 16       | 2012-994-16    | 32       | 2012-994-32    | 48       | 2012-994-48    |

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

No DNAs carrying the alleles to be amplified by primer solutions 8, 11, 17 to 21, 23 to 26, 29, 31 to 36, 38 to 45, 47 and 48 were available. The specificities of the primers in primer solutions 8, 11, 17, 18, 21, 23, 25, 26, 29, 32, 33, 35, 39, 42 to 43, 47 and 48 were tested by separately adding one additional 5'-primer, respectively one additional 3'-primer. In primer solutions 20, 31, 36 and 45 it was only possible to test the 3'-primers, the 5'-primers were not possible to test. In primer solutions 19, 24, 34, 38, 40 and 44 it was only possible to test the 5'-primer, the 3'-primer was not possible to test. In primer solutions 8, 17, 18, 21, 23, 25, 41, 43 and 47 it was not possible to test one or two of the 5'-primers and in primer solutions 17, 29, 30, 32, 33, 35, 39, 41 and 42 one, two or three 3'-primers were not possible to test. Finally, additional primers in primer solutions 6, 12, 14, 30 and 46 were tested by separately adding an additional 5'- or 3'-primer.

101.611-12 – including *Taq* polymerase, IFU-01  
101.611-12u – without *Taq* polymerase, IFU-02

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Lot No.: **94R**

Lot-specific information

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

**Date of approval:** 2013-April-25

**Approved by:**

**Production Quality Control**

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Lot No.: **94R**

Lot-specific information

## Declaration of Conformity

**Product name:** *Olerup* SSP® HLA-C\*03  
**Product number:** 101.611-12/12u  
**Lot number:** 94R

**Intended use:** HLA-C\*03 high 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 III, 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.

Stockholm, Sweden  
2013-April-25

Ann-Cathrin Jareman  
Head of QA and Regulatory Affairs



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Lot No.: **94R**

Lot-specific information

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

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