

101.522-24/03 – including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information
Olerup SSP® HLA-B*35

Product number:	101.522-24/03 – including <i>Taq</i> pol. 101.522-24u/03u – without <i>Taq</i> pol.
Lot number:	02X
Expiry date:	2017-January-01
Number of tests:	24 tests – Product No. 101.522-24/24u 3 tests – Product No. 101.522-03/03u
Number of wells per test:	87+1
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. 02X.

Complete product documentation consists of generic Instructions for Use (IFU), lot specific Product Insert, Worksheet and Certificate.

**CHANGES COMPARED TO THE PREVIOUS OLERUP SSP®
HLA-B*35 LOT (54S)**

The HLA-B*35 kit is updated for new alleles to enable separation of:

- Confirmed¹ 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

A well containing Negative Control primer pairs has been added.

The format of the Product Insert and Worksheet have been changed.

Nine wells have been added to HLA-B*35, wells **80 to 88**.

¹As described in section Uniquely Identified Alleles.

The HLA-B*35 primer set, specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup SSP®* HLA-B*35 lot was made (**Lot No. 54S**). The kit design is based on IMGT/HLA database 3.16.0

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

As of lot series V, the Specificity Table is included in the lot-specific Product Insert, and the Interpretation Table is included in the Worksheet.

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

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the B*35:02:06 allele.
34	Added	-	5'-primer added for the B*35:214 allele.
41	Moved	Moved	Primer pair moved to well 84 for decreased tendency of primer oligomer formation.
51	Added	-	5'-primer added for the B*35:214 allele.
77	-	Added	3'-primer added for the B*35:245 allele.
80	New	New	New primer pair added for the B*35:194 allele.
81	New	New	New primer pair added for the B*35:219 allele.
82	New	New	New primer pair added for the B*35:225 allele.
83	New	New	New primer pairs added for the B*35:245 and B*35:250 alleles.
84	Added	Added	Primer pairs added from well 41.
85	New	New	New primer pair for the B*35:42:01 allele.
86	New	New	New primer pair for the B*35:42:02 allele.
87	New	New	New primer pair for the B*35:241 allele.
88	-	-	Negative Control.

Change in revision R01 compared to R00:

1. Primer mix 65 does not amplify the B*35:148 allele. This has been corrected in the Specificity and Interpretation Tables. Thus, this lot of the HLA-B*15 subtyping kit cannot distinguish the B*35:01:01:01-35:01:03, 35:01:05-35:01:16, 35:01:18-35:01:22, 35:01:24-35:01:27, 35:01:29-35:01:33 and 35:01:35-35:01:41 alleles and the B*35:148 allele.

Change in revision R02 compared to R01:

1. Primer mix 32 amplifies the B*07:109 and *18:03 alleles. This has been corrected in the Specificity and Interpretation Tables.

Changes in revision R03 compared to R02:

1. Primer mix 86 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B*35 resolution primer mixes. A foot note has been added in the Specificity Table.

Change in revision R04 compared to R03:

1. Primer mix 24 does amplify the B*52:28 allele. Primer mix 37 does not amplify the C*03:102 allele. This has been corrected in the Specificity and Interpretation Tables.

Change in revision R05 compared to R04:

1. Primer mix 37 amplifies the B*54:16 and B*55:46 alleles. This has been corrected in the Specificity and Interpretation Tables.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

Well **88** contains Negative Control primer pairs, that will amplify more than 95% of the *Olerup SSP*® HLA Class I, DRB, DQB1, DPB1 and DQA1 amplicons as well as all the amplicons generated by the control primer pairs matching the human growth hormone gene.

HLA-specific PCR product sizes range from 75 to 200 base pairs.
The PCR product generated by the positive control primer pair is 430 base pairs.

Length of PCR product	105	200	105	80	75	80	85
5'-primer¹	164	340	440	45	45	43	36
	5'-CAC ^{3'}	5'-Agg ^{3'}	5'-TTA ^{3'}	5'-Tgg ^{3'}	5'-Tgg ^{3'}	5'-Tgg ^{3'}	5'-TAC ^{3'}
							36
							5'-TAT ^{3'}
3'-primer²	231	2nd I	507	59	58	57	47
	5'-TgC ^{3'}	5'-AAA ^{3'}	5'-TTg ^{3'}	5'-CTC ^{3'}	5'-ggC ^{3'}	5'-CTC ^{3'}	5'-ACA ^{3'}
							48
							5'-gCA ^{3'}
							48
							5'-gCC ^{3'}
							52
							5'-TgT ^{3'}
A*	+	+	+				
B*	+	+	+				
C*	+	+	+				
DRB1				+	+		
DRB3				+	+		
DRB5				+			
DQB1					+		
DPB1						+	
DQA1							+

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

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

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

PRODUCT DESCRIPTION

HLA-B*35 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*35:01 to B*35:254 alleles.

PLATE LAYOUT

Each test consists of 88 PCR reactions in a 96 well cut PCR plate. Wells 89 to 96 are empty.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
empty	empty	empty	empty	empty	empty	empty	empty

The 96 well cut PCR plate is marked with 'HLA-B*35' in silver/gray ink.

Well No. 1 is marked with the Lot No. '02X'.

Wells 1 to 87 – HLA-B*35 high resolution primers.

Well 88 – Negative Control (NC).

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

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

INTERPRETATION

Due to the sharing of sequence motifs between HLA-B alleles, non-HLA-B*35 alleles will be amplified by primer mixes 1 to 9, 11 to 41, 43 to 51, 55, 56, 58, 59, 61, 67 to 70, 72, 73, 75, 76, 83 and 85 to 86. In addition, a few HLA-A and HLA-C alleles will be amplified by primer mixes 2, 3, 10, 11, 14, 15, 18, 20, 22, 23, 28, 30, 32, 34, 36, 37, 39, 47, 58, 61 to 63 and 76.

For further details see Specificity Table.

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*35 alleles, i.e. **B*35:01 to B*35:254**, recognized by the HLA Nomenclature Committee in April 2014^{1,2} will be amplified by the primers in the HLA-B*35 subtyping kit³.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

The HLA-B*35 kit enables separation of the confirmed HLA-B*35 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-B*35 alleles is listed below.

The HLA-B*35 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 following HLA-B*35 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*35:55, 53:31	44
B*35:122, 35:123	61
B*35:130N, 35:134N	64
B*35:132, 35:144	62

The HLA-B*35 subtyping kit cannot distinguish the following silent mutations: the B*35:01:01:01-35:01:03, 35:01:05-35:01:16, 35:01:18-35:01:22, 35:01:24-35:01:27, 35:01:29-35:01:33 and 35:01:35-35:01:41, the B*35:02:01-35:02:06, the B*35:03:01, 35:03:03-35:03:06, 35:03:08-35:03:10 and 35:03:12-35:03:14, the B*35:04:01-35:04:02, the B*35:05:01-35:05:03, the B*35:08:01-35:08:02, 35:08:04 and 35:08:06-35:08:07, the B*35:09:02-35:09:03, the B*35:11:01 and B*35:11:03, the B*35:12:01-35:12:03, the 35:17:01-35:17:02, the B*35:20:01-35:20:02, the B*35:24:01-35:24:02, the B*35:29:01-35:29:02, the B*35:32:01-35:32:02, the B*35:101:01-35:101:02 or the B*35:108:01-35:108:02 alleles.

¹HLA-B alleles listed on the IMGT/HLA web page 2014-April-14, release 3.16.0, www.ebi.ac.uk/imgt/hla.

²Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page <http://hla.alleles.org/alleles/deleted.html>.

³This lot of the HLA-B*15 subtyping kit cannot distinguish the B*35:01:01:01-35:01:03, 35:01:05-35:01:16, 35:01:18-35:01:22, 35:01:24-35:01:27, 35:01:29-35:01:33 and 35:01:35-35:01:41 alleles and the B*35:148 allele.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

ALLELE CONFIRMATION STATUS

Allele	Status ¹	Allele	Status ¹	Allele	Status ¹	Allele	Status ¹
B*35:01:01:01	Confirmed	B*35:03:03	Unconfirmed	B*35:23	Confirmed	B*35:67	Unconfirmed
B*35:01:01:02	Confirmed	B*35:03:04	Unconfirmed	B*35:24:01	Confirmed	B*35:68:01	Unconfirmed
B*35:01:02	Unconfirmed	B*35:03:05	Unconfirmed	B*35:24:02	Confirmed	B*35:68:02	Confirmed
B*35:01:03	Unconfirmed	B*35:03:06	Unconfirmed	B*35:25	Unconfirmed	B*35:69	Unconfirmed
B*35:01:04	Confirmed	B*35:03:07	Unconfirmed	B*35:26	Confirmed	B*35:70	Unconfirmed
B*35:01:05	Confirmed	B*35:03:08	Unconfirmed	B*35:27	Unconfirmed	B*35:71	Unconfirmed
B*35:01:06	Unconfirmed	B*35:03:09	Unconfirmed	B*35:28	Confirmed	B*35:72	Confirmed
B*35:01:07	Confirmed	B*35:03:10	Unconfirmed	B*35:29:01	Confirmed	B*35:74	Confirmed
B*35:01:08	Unconfirmed	B*35:03:11	Confirmed	B*35:29:02	Unconfirmed	B*35:75	Unconfirmed
B*35:01:09	Confirmed	B*35:03:12	Unconfirmed	B*35:30	Confirmed	B*35:76	Unconfirmed
B*35:01:10	Unconfirmed	B*35:03:13	Unconfirmed	B*35:31	Confirmed	B*35:77	Confirmed
B*35:01:11	Confirmed	B*35:03:14	Unconfirmed	B*35:32:01	Confirmed	B*35:78	Unconfirmed
B*35:01:12	Unconfirmed	B*35:04:01	Confirmed	B*35:32:02	Unconfirmed	B*35:79	Unconfirmed
B*35:01:13	Unconfirmed	B*35:04:02	Confirmed	B*35:33	Confirmed	B*35:80	Unconfirmed
B*35:01:14	Unconfirmed	B*35:04:03	Unconfirmed	B*35:34	Confirmed	B*35:81	Unconfirmed
B*35:01:15	Confirmed	B*35:05:01	Confirmed	B*35:35	Confirmed	B*35:82	Unconfirmed
B*35:01:16	Unconfirmed	B*35:05:02	Confirmed	B*35:36	Unconfirmed	B*35:83	Unconfirmed
B*35:01:17	Confirmed	B*35:05:03	Unconfirmed	B*35:37	Confirmed	B*35:84	Unconfirmed
B*35:01:18	Unconfirmed	B*35:06	Confirmed	B*35:38	Confirmed	B*35:85	Unconfirmed
B*35:01:19	Confirmed	B*35:07	Unconfirmed	B*35:39	Unconfirmed	B*35:86	Unconfirmed
B*35:01:20	Unconfirmed	B*35:08:01	Confirmed	B*35:40N	Unconfirmed	B*35:87	Confirmed
B*35:01:21	Unconfirmed	B*35:08:02	Confirmed	B*35:41	Confirmed	B*35:88	Unconfirmed
B*35:01:22	Unconfirmed	B*35:08:03	Unconfirmed	B*35:42:01	Confirmed	B*35:89	Unconfirmed
B*35:01:23	Confirmed	B*35:08:04	Confirmed	B*35:42:02	Unconfirmed	B*35:90	Unconfirmed
B*35:01:24	Unconfirmed	B*35:08:05	Unconfirmed	B*35:43:01	Confirmed	B*35:91	Unconfirmed
B*35:01:25	Unconfirmed	B*35:08:06	Unconfirmed	B*35:44	Unconfirmed	B*35:92	Unconfirmed
B*35:01:26	Unconfirmed	B*35:08:07	Unconfirmed	B*35:45	Unconfirmed	B*35:93	Unconfirmed
B*35:01:27	Confirmed	B*35:09:01	Confirmed	B*35:46	Unconfirmed	B*35:94	Unconfirmed
B*35:01:28	Unconfirmed	B*35:09:02	Unconfirmed	B*35:47	Confirmed	B*35:95	Confirmed
B*35:01:29	Confirmed	B*35:09:03	Confirmed	B*35:48	Confirmed	B*35:96	Confirmed
B*35:01:30	Unconfirmed	B*35:10	Confirmed	B*35:49	Confirmed	B*35:97	Confirmed
B*35:01:31	Unconfirmed	B*35:11:01	Confirmed	B*35:50	Unconfirmed	B*35:98	Confirmed
B*35:01:32	Unconfirmed	B*35:11:02	Unconfirmed	B*35:51	Unconfirmed	B*35:99	Confirmed
B*35:01:33	Unconfirmed	B*35:11:03	Confirmed	B*35:52	Unconfirmed	B*35:100	Confirmed
B*35:01:34	Unconfirmed	B*35:12:01	Confirmed	B*35:53N	Unconfirmed	B*35:101:01	Confirmed
B*35:01:35	Confirmed	B*35:12:02	Unconfirmed	B*35:54	Unconfirmed	B*35:101:02	Unconfirmed
B*35:01:36	Unconfirmed	B*35:12:03	Unconfirmed	B*35:55	Confirmed	B*35:102	Unconfirmed
B*35:01:37	Unconfirmed	B*35:13	Confirmed	B*35:56	Unconfirmed	B*35:103	Confirmed
B*35:01:38	Unconfirmed	B*35:14:01	Confirmed	B*35:57	Confirmed	B*35:104	Confirmed
B*35:01:39	Unconfirmed	B*35:14:02	Unconfirmed	B*35:58	Confirmed	B*35:105	Confirmed
B*35:01:40	Unconfirmed	B*35:15	Confirmed	B*35:59	Confirmed	B*35:106	Confirmed
B*35:01:41	Unconfirmed	B*35:16	Confirmed	B*35:60	Unconfirmed	B*35:107	Unconfirmed
B*35:02:01	Confirmed	B*35:17:01	Confirmed	B*35:61:01	Confirmed	B*35:108:01	Confirmed
B*35:02:02	Confirmed	B*35:17:02	Unconfirmed	B*35:61:02	Unconfirmed	B*35:108:02	Confirmed
B*35:02:03	Unconfirmed	B*35:18	Unconfirmed	B*35:62	Confirmed	B*35:109	Unconfirmed
B*35:02:04	Unconfirmed	B*35:19	Confirmed	B*35:63	Unconfirmed	B*35:110	Unconfirmed
B*35:02:05	Unconfirmed	B*35:20:01	Confirmed	B*35:64:01	Confirmed	B*35:111	Unconfirmed
B*35:02:06	Unconfirmed	B*35:20:02	Confirmed	B*35:64:02	Unconfirmed	B*35:112	Confirmed
B*35:03:01	Confirmed	B*35:21	Confirmed	B*35:65Q	Confirmed	B*35:113	Confirmed
B*35:03:02	Unconfirmed	B*35:22	Confirmed	B*35:66	Unconfirmed	B*35:114	Unconfirmed

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

Allele	Status ¹	Allele	Status ¹	Allele	Status ¹
B*35:115	Confirmed	B*35:165N	Unconfirmed	B*35:215	Unconfirmed
B*35:116	Confirmed	B*35:166	Unconfirmed	B*35:216N	Unconfirmed
B*35:117	Confirmed	B*35:167	Confirmed	B*35:217	Confirmed
B*35:118	Unconfirmed	B*35:168	Unconfirmed	B*35:218	Unconfirmed
B*35:119	Unconfirmed	B*35:169	Confirmed	B*35:219	Confirmed
B*35:120	Confirmed	B*35:170	Unconfirmed	B*35:220	Unconfirmed
B*35:121	Confirmed	B*35:171	Unconfirmed	B*35:221	Unconfirmed
B*35:122	Unconfirmed	B*35:172	Unconfirmed	B*35:222	Unconfirmed
B*35:123	Unconfirmed	B*35:173N	Unconfirmed	B*35:223	Unconfirmed
B*35:124	Confirmed	B*35:174	Confirmed	B*35:224	Unconfirmed
B*35:125	Unconfirmed	B*35:175	Unconfirmed	B*35:225	Confirmed
B*35:126	Confirmed	B*35:176	Confirmed	B*35:226	Unconfirmed
B*35:127	Unconfirmed	B*35:177	Unconfirmed	B*35:227	Confirmed
B*35:128	Confirmed	B*35:178	Unconfirmed	B*35:228	Unconfirmed
B*35:129N	Unconfirmed	B*35:179	Unconfirmed	B*35:229	Unconfirmed
B*35:130N	Unconfirmed	B*35:180	Unconfirmed	B*35:230	Confirmed
B*35:131	Unconfirmed	B*35:181	Unconfirmed	B*35:231	Unconfirmed
B*35:132	Confirmed	B*35:182	Confirmed	B*35:232	Unconfirmed
B*35:133	Unconfirmed	B*35:183	Unconfirmed	B*35:233	Confirmed
B*35:134N	Unconfirmed	B*35:184	Unconfirmed	B*35:234	Unconfirmed
B*35:135	Unconfirmed	B*35:185	Unconfirmed	B*35:235	Unconfirmed
B*35:136	Confirmed	B*35:186	Unconfirmed	B*35:236	Unconfirmed
B*35:137	Confirmed	B*35:187	Unconfirmed	B*35:237	Unconfirmed
B*35:138	Unconfirmed	B*35:188	Unconfirmed	B*35:238	Unconfirmed
B*35:139	Unconfirmed	B*35:189	Unconfirmed	B*35:239	Unconfirmed
B*35:140	Unconfirmed	B*35:190	Unconfirmed	B*35:240	Unconfirmed
B*35:141	Confirmed	B*35:191	Confirmed	B*35:241	Unconfirmed
B*35:142	Unconfirmed	B*35:192	Unconfirmed	B*35:242	Unconfirmed
B*35:143	Unconfirmed	B*35:193	Confirmed	B*35:243	Unconfirmed
B*35:144	Confirmed	B*35:194	Confirmed	B*35:244	Unconfirmed
B*35:145N	Unconfirmed	B*35:195	Unconfirmed	B*35:245	Unconfirmed
B*35:146	Unconfirmed	B*35:196	Unconfirmed	B*35:246	Unconfirmed
B*35:147	Unconfirmed	B*35:197	Unconfirmed	B*35:247	Unconfirmed
B*35:148	Unconfirmed	B*35:198	Unconfirmed	B*35:248	Unconfirmed
B*35:149	Confirmed	B*35:199	Unconfirmed	B*35:249	Unconfirmed
B*35:150	Unconfirmed	B*35:200	Confirmed	B*35:250	Unconfirmed
B*35:151	Unconfirmed	B*35:201	Unconfirmed	B*35:251	Unconfirmed
B*35:152	Unconfirmed	B*35:202	Unconfirmed	B*35:252	Unconfirmed
B*35:153	Unconfirmed	B*35:203	Unconfirmed	B*35:253	Unconfirmed
B*35:154	Unconfirmed	B*35:204	Unconfirmed	B*35:254	Unconfirmed
B*35:155	Unconfirmed	B*35:205	Unconfirmed		
B*35:156	Unconfirmed	B*35:206	Unconfirmed		
B*35:157	Confirmed	B*35:207	Unconfirmed		
B*35:158	Confirmed	B*35:208	Unconfirmed		
B*35:159	Unconfirmed	B*35:209	Unconfirmed		
B*35:160	Unconfirmed	B*35:210	Confirmed		
B*35:161	Unconfirmed	B*35:211	Unconfirmed		
B*35:162	Unconfirmed	B*35:212	Unconfirmed		
B*35:163	Confirmed	B*35:213	Unconfirmed		
B*35:164	Unconfirmed	B*35:214	Confirmed		

¹Allele status “confirmed” or “unconfirmed” as listed on the IMGT/HLA web page 2014-April-14, release 3.16.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HOMO- AND HETEROZYGOTES

Results file with resolution in HLA-B*35 homo- and heterozygotes is available upon request.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information
SPECIFICITY TABLE

HLA-B*35 SSP subtyping

Specificities and sizes of the PCR products of the 87+1 primer mixes used
for HLA-B*35 SSP subtyping

Primer Mix	Size of spec. PCR product ¹	Size of control band ²	Amplified HLA-B*35 alleles ³	Other amplified Class I alleles ⁴
1⁵	95 bp	800 bp	*35:01:01:01-35:09:03, 35:11:01-35:12:03, 35:14:01-35:15, 35:17:01- 35:18, 35:20:01-35:24:02, 35:27, 35:29:01-35:45, 35:48, 35:50-35:62, 35:64:01-35:68:02, 35:70- 35:72, 35:74-35:75, 35:77-35:79, 35:81- 35:153, 35:155-35:185, 35:187-35:190, 35:192- 35:197, 35:199-35:206, 35:208-35:209, 35:211- 35:216N, 35:218-35:225, 35:227-35:253	*08:32, 15:308, 18:01:01:01-18:11, 18:13-18:15, 18:17N-18:36, 18:38-18:47, 18:49-18:65, 18:67- 18:103, 37:08, 38:06-38:07, 39:19:01-39:19:02, 44:06, 51:01:01-51:01:10, 51:01:12-51:24:05, 51:26-51:46, 51:48-51:103, 51:105-51:111, 51:113-51:117, 51:119-51:146, 51:148-51:173Q, 53:01:01-53:16, 53:18-53:27, 53:29, 53:31-53:35, 78:01:01-78:04, 78:07
2	150 bp	1070 bp	*35:01:01:01-35:04:03, 35:06-35:08:07, 35:10- 35:17:02, 35:19-35:21, 35:23-35:30, 35:33-35:36, 35:38-35:42:02, 35:45- 35:50, 35:52, 35:54- 35:57, 35:59, 35:61:01- 35:63, 35:65Q, 35:69- 35:71, 35:74, 35:76- 35:78, 35:80-35:85, 35:90-35:96, 35:98, 35:100-35:101:02, 35:103-35:113, 35:115- 35:116, 35:120-35:126, 35:128-35:134N, 35:136- 35:150, 35:152-35:173N, 35:175-35:184, 35:186- 35:198, 35:200-35:204, 35:206-35:229, 35:231, 35:233, 35:236-35:250, 35:252-35:254	*08:49, 13:01:01-13:01:08, 13:06-13:07N, 13:12:01-13:13, 13:17, 13:20, 13:22:01-13:23, 13:25-13:26:02, 13:28-13:29, 13:36, 13:39, 13:43, 13:50-13:52, 13:57, 13:60-13:61, 13:63N, 13:73, 13:76N-13:78, 14:10, 15:02:01-15:02:09, 15:13:01- 15:13:02, 15:20-15:21, 15:25:01-15:25:03, 15:36, 15:44, 15:62, 15:77, 15:80, 15:85, 15:88-15:89, 15:106, 15:112, 15:121, 15:139, 15:144, 15:154, 15:165, 15:170, 15:194, 15:204, 15:213-15:214, 15:223, 15:240, 15:250, 15:265, 15:271, 15:283, 15:289, 15:291, 15:297, 15:301-15:302N, 15:308, 15:319, 18:22, 18:69, 27:19, 27:30, 37:01:01- 37:01:07, 37:01:09, 37:03N-37:06:02, 37:08, 37:10-37:11, 37:13-37:43, 37:45-37:49, 38:20, 39:42, 40:28, 44:02:01:01-44:14, 44:16-44:17, 44:19N, 44:21-44:30, 44:32-44:40, 44:42-44:46, 44:48-44:52N, 44:55-44:64:02, 44:66-44:98, 44:101-44:105, 44:107-44:134, 44:136-44:137, 44:139-44:157, 44:159-44:165, 44:167-44:181, 44:183, 44:185-44:191, 46:33, 48:02:01-48:02:03, 48:25, 50:17, 51:04, 51:42, 51:46, 51:56:01- 51:56:02, 51:139, 53:01:01-53:13, 53:15-53:35, 55:14, 56:09, 56:11-56:12, 57:01:01-57:01:04, 57:01:06-57:10, 57:12, 57:14-57:20, 57:22-57:30, 57:32-57:46, 57:48-57:70, 58:01:01-58:01:02, 58:01:04-58:01:15, 58:04-58:05, 58:09-58:15, 58:17N, 58:19, 58:21-58:24, 58:28-58:29, 58:31N- 58:37, 58:39N-58:42, 58:44-58:45:02, 58:47-58:59, 83:01, C*03:102

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

<p>3^{5,8}</p>	<p>115 bp</p>	<p>1070 bp</p>	<p>*35:01:01:01-35:01:33, 35:01:35-35:01:41, 35:03:01, 35:03:03- 35:03:14, 35:05:01- 35:05:03, 35:07-35:08:07, 35:10-35:11:01, 35:11:03, 35:13-35:14:01, 35:15- 35:17:02, 35:19-35:21, 35:23-35:30, 35:32:01- 35:42:02, 35:45-35:58, 35:61:01-35:63, 35:64:02- 35:66, 35:68:01-35:72, 35:74-35:78, 35:80, 35:82, 35:84-35:85, 35:89-35:94, 35:96-35:98, 35:100-35:101:02, 35:103-35:113, 35:115- 35:116, 35:119-35:120, 35:122-35:128, 35:130N- 35:134N, 35:136-35:148, 35:150-35:153, 35:155- 35:156, 35:158-35:161, 35:163, 35:165N-35:171, 35:173N-35:181, 35:186- 35:200, 35:202-35:204, 35:206-35:210, 35:212, 35:214, 35:216N-35:219, 35:221-35:229, 35:231- 35:232, 35:235-35:250, 35:252-35:254</p>	<p>*07:02:13, 07:02:35, 07:22:02, 07:68:02, 07:151:02, 08:07, 08:37, 08:89, 08:107, 13:26:01- 13:26:02, 13:35, 13:72, 14:23, 15:03:02, 15:03:04, 15:05:02, 15:07:03, 15:20, 15:27:03, 15:38:02, 15:39:02, 15:179:01, 15:269, 15:275, 18:01:01:01- 18:01:09, 18:01:11-18:15, 18:17N-18:19, 18:22- 18:25, 18:27-18:56, 18:58-18:60, 18:62-18:96, 18:98-18:100, 18:102-18:103, 27:34, 37:09, 37:35, 38:29, 38:52, 39:07, 39:15, 39:29, 39:43, 39:49, 39:55, 39:91, 41:04, 41:18, 41:21, 42:09, 42:16, 44:03:21, 44:17, 44:43:01, 44:45, 44:51, 44:107, 44:123, 44:135, 45:09, 46:01:03, 46:01:16, 46:13:01, 46:21:02, 46:33, 48:02:01-48:02:03, 48:25, 49:04, 51:37, 51:45, 51:90, 51:92, 51:135, 52:12, 53:01:01-53:01:02, 53:01:04-53:06, 53:08:01, 53:09-53:18, 53:20-53:35, 54:09, 54:14, 54:16, 55:14, 55:23, 55:27, 55:46, 56:09, 56:11, 56:18, 56:31-56:32, 57:01:16, 57:14, 58:01:01- 58:01:04, 58:01:06-58:02, 58:04-58:07, 58:09- 58:19, 58:21-58:26, 58:29, 58:31N-58:59, C*01:02:19, C*01:71, C*02:02:19, C*02:23, C*02:36, C*07:01:24, C*07:123, C*07:173, C*07:178, C*07:182, C*07:266, C*07:284, C*07:294, C*07:297, C*15:02:05, C*15:02:13, C*15:06:03</p>
<p>4</p>	<p>280 bp</p>	<p>1070 bp</p>	<p>*35:01:01:01-35:01:41, 35:05:01-35:05:03, 35:07- 35:08:07, 35:10-35:11:03, 35:14:01-35:17:02, 35:19- 35:21, 35:23-35:30, 35:32:01-35:32:02, 35:35, 35:37, 35:40N-35:43:01, 35:45-35:54, 35:57-35:58, 35:61:01-35:64:02, 35:66- 35:69, 35:71-35:72, 35:76-35:80, 35:82, 35:86, 35:89-35:94, 35:97, 35:99-35:105, 35:107-35:108:02, 35:110-35:126, 35:130N- 35:135, 35:137-35:148, 35:158-35:159, 35:161, 35:165N-35:166, 35:168, 35:170-35:171, 35:173N- 35:178, 35:180, 35:185- 35:192, 35:194, 35:196- 35:197, 35:200, 35:202- 35:203, 35:206-35:210, 35:212, 35:215-35:219, 35:222, 35:224-35:229, 35:232, 35:238-35:241, 35:244-35:245,</p>	<p>*07:09, 07:11, 07:17, 07:162, 08:28, 08:35, 08:37, 08:89, 08:107, 13:04, 13:10, 13:26:01-13:26:02, 13:72, 15:01:01:01-15:01:04, 15:01:06-15:08:02, 15:11:01-15:16:03, 15:18:01-15:21, 15:23-15:29, 15:31-15:36, 15:38:01-15:40, 15:43-15:44, 15:46- 15:47:02, 15:49-15:57, 15:60-15:62, 15:64:01- 15:72, 15:74-15:76, 15:78:01-15:82, 15:84-15:85, 15:87-15:89, 15:91-15:98, 15:101-15:129, 15:131- 15:132, 15:134-15:136, 15:138-15:149N, 15:151- 15:161, 15:163-15:167, 15:169-15:176, 15:178- 15:187, 15:189-15:195, 15:197-15:207, 15:209N- 15:215, 15:217-15:223, 15:225-15:228, 15:231- 15:232, 15:234-15:242, 15:244-15:247, 15:249- 15:251, 15:254-15:268, 15:270-15:272N, 15:274- 15:286, 15:288-15:302N, 15:304N-15:311, 15:314- 15:320, 18:01:01:01-18:15, 18:17N-18:25, 18:27- 18:40, 18:42-18:60, 18:62-18:103, 27:41, 27:107, 37:35, 38:52, 39:07, 39:43, 39:91, 40:03, 40:20, 40:38, 40:52, 40:59-40:60, 40:105, 40:158-40:159, 40:222, 40:267, 40:284, 41:24, 41:30, 42:09, 44:17, 44:43:01-44:43:02, 44:144, 45:09, 46:01:01- 46:01:16, 46:01:18-46:10, 46:12-46:17, 46:19- 46:57, 48:02:01-48:02:03, 48:14, 48:23, 48:25, 49:04-49:05, 50:33, 51:37, 51:45, 51:63, 51:97, 52:39, 53:01:01-53:03, 53:05-53:06, 53:08:01- 53:18, 53:20-53:30, 53:32, 53:34-53:35, 54:06, 54:09, 54:14, 55:14, 55:23, 55:32, 56:03, 56:09,</p>

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

			35:247-35:250, 35:252-35:254	56:18, 56:31-56:32, 57:01:01-57:01:18, 57:06, 57:08, 57:10-57:11, 57:13-57:16, 57:18-57:27, 57:29-57:31, 57:33-57:38, 57:40-57:41, 57:43-57:45, 57:47-57:56, 57:58-57:62, 57:64-57:65, 57:67-57:69, 58:01:01-58:02, 58:04-58:07, 58:09-58:19, 58:21-58:26, 58:29, 58:31N-58:33, 58:35-58:59
5 ⁷	290 bp	800 bp	*35:02:01-35:02:06, 35:04:01-35:04:03, 35:06, 35:09:01-35:09:03, 35:12:01-35:12:03, 35:18, 35:22, 35:31, 35:44, 35:59-35:60, 35:81, 35:83, 35:87-35:88, 35:95, 35:129N, 35:146, 35:149, 35:154, 35:157, 35:162, 35:164, 35:172, 35:182-35:184, 35:201, 35:211, 35:220, 35:230, 35:233, 35:251	*07:05:01-07:06, 07:32, 07:34, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206-07:207, 07:209-07:210, 07:213-07:214, 08:01:01-08:01:22, 08:01:24-08:05, 08:08N-08:13, 08:15-08:27, 08:29-08:36, 08:38-08:48, 08:50-08:73, 08:75-08:86N, 08:88, 08:90-08:106, 08:108-08:110, 08:112-08:123, 13:01:01-13:01:02, 13:01:04-13:03, 13:06-13:09, 13:11-13:23, 13:25, 13:27-13:33, 13:36-13:45, 13:47-13:50, 13:52-13:71, 13:73-13:78, 14:13, 15:09, 15:30, 15:42, 15:48, 15:58, 15:73, 15:83, 15:86, 15:150, 15:188, 15:224, 15:229, 15:243, 15:252, 15:303, 18:26, 18:61, 18:97, 27:07:01-27:07:04, 27:11, 27:20, 27:24, 27:27, 27:33, 27:43, 27:125, 37:12, 38:01:01, 38:01:03-38:02:05, 38:02:07-38:21, 38:23-38:28, 38:30-38:51, 38:53, 39:01:01:01-39:01:01:03, 39:01:03-39:01:18, 39:02:01-39:06:04, 39:08-39:14, 39:16, 39:18-39:20, 39:22-39:24:02, 39:26-39:28, 39:30-39:42, 39:44-39:48, 39:50-39:54, 39:56-39:90, 39:92, 40:01:01-40:01:25, 40:01:27-40:01:31, 40:01:33-40:02:09, 40:02:11-40:02:17, 40:02:19, 40:04-40:06:09, 40:07-40:08, 40:10:01-40:16, 40:19, 40:21-40:23, 40:25-40:30, 40:34-40:40, 40:43, 40:45-40:51, 40:53-40:58, 40:61-40:88, 40:90-40:97, 40:99-40:119, 40:121-40:123, 40:125-40:130:02, 40:132-40:158, 40:160:01-40:171, 40:173-40:179, 40:181-40:186, 40:188-40:266, 40:268-40:279, 40:281-40:283, 40:285, 41:01-41:03:02, 41:05-41:09, 41:11-41:17, 41:19-41:20, 41:22-41:32, 42:01:01-42:02, 42:04-42:08, 42:10-42:15, 42:17-42:19, 44:10, 44:14, 44:31, 44:62, 44:77, 44:82, 44:166, 44:184, 45:12, 45:14, 46:11, 46:18, 48:01:01-48:01:06, 48:03:01-48:07, 48:09-48:16, 48:18-48:22, 48:24, 48:27-48:34, 50:36, 51:01:01-51:01:30, 51:01:32-51:02:02, 51:02:04-51:16, 51:19-51:24:05, 51:26-51:36, 51:38-51:41N, 51:43-51:44N, 51:46, 51:48-51:84, 51:86-51:89, 51:91, 51:93, 51:95-51:134, 51:136-51:145, 51:147-51:171, 51:173Q, 52:01:01:01-52:01:10, 52:01:12-52:11, 52:13-52:25, 52:27-52:39, 53:19, 54:01:01-54:05N, 54:07-54:08N, 54:10-54:13, 54:17-54:32, 55:01:01-55:05, 55:07-55:13, 55:15-55:22, 55:24-55:26, 55:28-55:40, 55:42-55:45, 55:47-55:57, 55:59-55:64, 56:01:01-56:02, 56:04-56:08, 56:10, 56:12-56:17, 56:19N-56:30, 56:33-56:43, 57:02:01-57:03:02, 57:07, 57:09, 57:12, 57:17, 57:28N, 57:39, 57:42, 57:46, 57:57, 57:63, 57:66, 57:70, 58:08:01-58:08:02, 58:20,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				58:27-58:28, 59:01:01:01-59:08, 67:01:01-67:05, 78:01:01-78:07, 81:01-81:07, 82:01-82:03
6^{5,8}	85 bp	1070 bp	*35:02:01-35:02:06, 35:04:01-35:04:03, 35:12:01-35:12:03, 35:22, 35:34, 35:39, 35:44, 35:81, 35:83, 35:95, 35:129N, 35:149, 35:154, 35:157, 35:162, 35:172, 35:182-35:184, 35:199, 35:201, 35:211, 35:220, 35:233, 35:251	*07:68:01-07:68:03, 07:100, 08:71, 13:13, 13:35, 13:59, 13:62, 14:13, 14:23, 15:09-15:10:03, 15:30, 15:37, 15:45, 15:48, 15:63, 15:83, 15:90, 15:99, 15:243, 15:252, 15:312-15:313, 18:26, 27:27, 27:76, 39:14, 39:29, 39:70, 40:26, 40:28, 40:35:01-40:35:02, 40:87:01-40:87:02, 40:95, 40:121, 40:237, 42:10, 42:17, 44:62, 44:77, 44:82, 44:107, 44:123, 44:184, 48:12, 48:29, 49:18, 50:14, 51:01:01-51:01:14, 51:01:16-51:09:02, 51:11N-51:12, 51:16, 51:18-51:23, 51:26-51:36, 51:38-51:41N, 51:43-51:44N, 51:46, 51:48-51:61:02, 51:64-51:80, 51:82-51:84, 51:86-51:91, 51:93-51:96, 51:98N-51:105, 51:107-51:147, 51:149N-51:156, 51:158-51:171, 51:173Q, 52:01:01:01-52:13, 52:15-52:24, 52:27-52:38, 53:19, 54:04, 55:17, 55:27-55:28, 56:05:01-56:06, 56:12, 56:15, 56:21, 57:02:01-57:03:02, 57:05, 57:07, 57:09, 57:12, 57:17, 57:28N, 57:39, 57:42, 57:46, 57:57, 57:63, 57:66, 57:70, 58:08:01-58:08:02, 58:28, 78:01:01-78:07
7^{6,8}	160 bp	800 bp	*35:84, 35:90, 35:150, 35:184, 35:201, 35:217	*07:177 ^w , 08:102, 08:122, 13:36, 18:80, 18:102, 27:23, 27:92, 38:16, 38:46, 40:08, 40:25, 40:68, 40:106, 40:166 ^w , 40:232, 44:12, 49:26, 50:15, 51:103, 51:119, 56:36 ^w , 73:01 ^w -73:02 ^w
	330 bp		*35:23	*15:06, 15:27:01-15:27:03, 15:84, 15:109, 15:195, 18:27, 40:100, 44:10, 47:01:01:01-47:03, 47:06-47:09, 82:01-82:02
8⁹	280 bp	1070 bp	*35:03:01-35:03:14, 35:06, 35:13, 35:33, 35:36, 35:38, 35:55-35:56, 35:59-35:60, 35:65Q, 35:70, 35:74-35:75, 35:84-35:85, 35:96, 35:98, 35:106, 35:109, 35:127-35:128, 35:136, 35:150-35:153, 35:155-35:156, 35:160, 35:163, 35:167, 35:169, 35:179, 35:181, 35:193, 35:195, 35:198, 35:204-35:205, 35:213, 35:221, 35:223, 35:231, 35:235-35:237, 35:242-35:243, 35:246	*07:78, 07:214, 08:69, 13:01:01-13:03, 13:06-13:09, 13:11-13:12:02, 13:14-13:20, 13:22:01-13:23, 13:25, 13:27-13:34, 13:36-13:45, 13:47-13:50, 13:52-13:58, 13:60-13:61, 13:63N-13:70, 13:73-13:78, 15:42, 15:58, 15:73, 15:86, 15:133, 15:224, 15:229, 15:253, 15:303, 38:01:01-38:21, 38:23-38:51, 38:53, 39:01:01:01-39:01:01:03, 39:01:03-39:01:18, 39:01:19 ^w , 39:02:01-39:06:04, 39:08-39:13:02, 39:15-39:16, 39:18-39:20, 39:22-39:24:02, 39:26-39:28, 39:30-39:42, 39:44-39:69, 39:71-39:90, 39:92, 40:36, 40:48, 40:71, 40:77, 40:86, 40:184, 41:18, 42:06, 44:10, 45:14, 46:11, 46:18, 48:07, 51:13:01-51:13:02, 51:15, 51:62, 51:92, 51:106, 51:157, 52:14, 52:25, 53:04, 53:31, 53:33, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:16-54:32, 55:01:01-55:03, 55:05, 55:07, 55:09-55:13, 55:15-55:16, 55:18-55:19, 55:21-55:22, 55:24-55:26, 55:29-55:31, 55:33-55:40, 55:42-55:48, 55:50, 55:52-55:57, 55:59-55:64, 56:01:01-56:02, 56:04, 56:07-56:08, 56:10-56:11, 56:13-56:14, 56:16-56:17, 56:19N-56:20:02, 56:22-56:30, 56:33-56:43, 58:20, 58:34, 59:01:01:01-59:01:01:02, 59:03-59:08, 67:01:01-67:05, 82:01-82:03
9	140 bp	800 bp	*35:05:01-35:05:03, 35:16-35:17:02, 35:22,	*07:68:01-07:68:03, 07:100, 08:71, 14:05, 14:13, 15:07:01-15:07:03, 15:45, 15:55, 15:68, 15:126,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

			35:30, 35:51, 35:58, 35:66, 35:72, 35:89, 35:97, 35:113, 35:125, 35:164, 35:199, 35:232, 35:242	15:207, 18:14, 18:22, 27:32, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76, 40:35:01- 40:35:02, 40:71, 41:24, 42:10, 42:17, 44:54, 44:106, 44:110, 44:135, 44:158, 44:184, 46:12, 48:12, 48:14, 48:29, 51:64, 53:14, 58:18
10⁸	140 bp 240 bp	1070 bp	*35:83 *35:07	C*07:63
11	225 bp	800 bp	*35:08:01-35:08:07, 35:18, 35:45, 35:61:01- 35:61:02, 35:80, 35:100, 35:105, 35:142, 35:156, 35:158, 35:164, 35:172, 35:174, 35:176, 35:187, 35:192, 35:206, 35:225, 35:229	*07:12, 07:14, 07:18:01-07:18:02, 07:137, 07:162- 07:163, 07:199, 13:73, 37:39, 44:04, 44:28:01- 44:28:02, 44:56N, 44:76, 44:150, 53:11, 53:16, 53:24, 57:02:01-57:02:02, 57:04-57:05, 57:12- 57:13, 57:19, 57:28N, 57:30, 57:42, 57:63, 58:22, A*01:41^w, C*01:49-01:50, C*03:28, C*03:49, C*03:117, C*04:80, C*04:100, C*04:110, C*05:10, C*14:54, C*15:08
12⁵	95 bp	1070 bp	*35:10, 35:13, 35:16, 35:28, 35:69, 35:80, 35:226	*13:58, 15:202, 15:239, 18:12, 37:01:01-37:01:05, 37:01:07-37:05, 37:07, 37:09-37:27, 37:29-37:49, 40:185, 40:209, 44:83, 44:134, 49:03, 52:01:01:01- 52:01:20, 52:03-52:15, 52:17, 52:19-52:31:02, 52:33-52:39, 53:17:01-53:17:02, 53:28, 78:05- 78:06
13	125 bp 170 bp	800 bp	*35:92 *35:11:01-35:11:03, 35:14:01-35:14:02, 35:21, 35:43:01-35:44, 35:58, 35:67, 35:79, 35:86, 35:96, 35:99, 35:102, 35:117-35:118, 35:135, 35:167, 35:185, 35:188, 35:213, 35:232	*07:02:01-07:24, 07:26-07:47, 07:49N-07:50, 07:52-07:154, 07:156-07:163, 07:165-07:201N, 07:203-07:208, 07:210-07:219, 08:20, 08:53:01- 08:53:02, 08:79, 13:16, 13:20, 13:31, 13:48, 13:62, 14:01:01-14:40, 15:01:01:01-15:01:04, 15:01:06- 15:04:02, 15:06-15:19, 15:21, 15:23-15:30, 15:32:01-15:40, 15:42-15:47:02, 15:49-15:50, 15:53-15:54, 15:56-15:58, 15:60-15:74, 15:76- 15:82, 15:85, 15:87, 15:89-15:90, 15:92-15:99, 15:101-15:104, 15:106, 15:108-15:110, 15:112- 15:113, 15:115-15:122, 15:125-15:129, 15:131- 15:135, 15:137-15:144, 15:146-15:150, 15:152- 15:154, 15:156-15:161, 15:163-15:175, 15:177- 15:178, 15:180-15:184, 15:187, 15:189-15:199, 15:201-15:217, 15:219-15:221, 15:223, 15:225- 15:234, 15:236, 15:238-15:249, 15:251-15:274, 15:276-15:282, 15:284-15:311, 15:313-15:320, 18:15, 18:19, 18:21, 18:30, 18:57, 18:101, 27:04:01-27:04:04, 27:06, 27:10, 27:15, 27:18, 27:20-27:21, 27:24-27:25, 27:40, 27:54, 27:63, 27:66N, 27:68-27:69, 27:79, 27:86, 27:91-27:92, 27:100, 27:103, 27:105-27:109, 27:112-27:115, 27:120, 37:07, 37:13, 38:10, 38:32, 39:18, 39:35- 39:36, 40:05, 40:15-40:16, 40:23, 40:26, 40:28, 40:32, 40:51, 40:95, 40:98, 40:148, 40:158, 40:161, 40:174, 40:183, 40:198, 42:19, 44:76, 44:79:01-44:79:02, 44:146, 44:150, 46:01:01- 46:01:16, 46:01:18-46:05, 46:07N-46:08, 46:10, 46:12, 46:14-46:17, 46:20, 46:22-46:24, 46:26- 46:32, 46:34-46:42, 46:44-46:57, 48:05, 48:08, 48:15, 48:25, 49:01:01-49:10, 49:12-49:31, 50:01:01-50:02, 50:04-50:20, 50:31-50:38, 51:01:01-51:04, 51:06:01-51:07:02, 51:11N-51:14, 51:16-51:18, 51:21-51:24:05, 51:26-51:30, 51:32- 51:39, 51:41N, 51:43, 51:45-51:46, 51:48-51:52,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				51:55-51:72, 51:74-51:80, 51:82-51:92, 51:94-51:96, 51:98N-51:107, 51:109-51:114, 51:116-51:119, 51:121, 51:123-51:138, 51:140, 51:142-51:147, 51:149N-51:152, 51:154-51:156, 51:158-51:173Q, 52:01:01:01-52:02:02, 52:04-52:09, 52:11-52:18, 52:20-52:27, 52:30-52:39, 53:06, 53:08:01-53:08:02, 53:28, 54:06, 54:20, 55:01:01-55:01:12, 55:03, 55:05, 55:09, 55:11, 55:14-55:15, 55:17, 55:21, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:44-55:45, 55:52-55:53, 55:55N-55:56, 55:58-55:60, 55:64, 56:03, 56:05:01-56:06, 56:21, 56:25, 56:32, 56:37, 57:09, 57:13, 57:22, 57:57, 57:63, 58:06, 58:08:01-58:08:02, 58:19, 58:46, 78:01:01-78:03, 78:05-78:07
14 ^{5,10}	75 bp	800 bp	*35:01:17, 35:03:07, 35:04:03, 35:12:01-35:12:03, 35:39, 35:59, 35:61:01, 35:88, 35:149, 35:164, 35:201, 35:208, 35:215, 35:230, 35:233, 35:242	*07:14, 07:18:01-07:18:02, 07:137, 08:60, 13:01:01-13:01:08, 13:06-13:07N, 13:12:01-13:13, 13:17, 13:20-13:23, 13:25, 13:26:02, 13:28-13:29, 13:36, 13:39, 13:43, 13:50-13:52, 13:57, 13:60-13:61, 13:63N, 13:73, 13:76N-13:78, 14:10, 15:02:01-15:02:09, 15:13:01-15:13:02, 15:21, 15:25:01-15:25:03, 15:36, 15:44, 15:77, 15:80, 15:88-15:89, 15:106, 15:112, 15:121, 15:139, 15:144, 15:154, 15:170, 15:204, 15:213-15:214, 15:223, 15:240, 15:250, 15:265, 15:271, 15:283, 15:289, 15:291, 15:297, 15:301-15:302N, 15:308, 15:319, 27:19, 27:30, 38:20, 39:42, 40:04, 40:28, 40:30, 40:34, 40:64, 40:68, 40:129, 40:137, 40:160:01-40:160:02, 42:13, 44:02:01:01-44:02:05, 44:02:07-44:02:11, 44:02:13-44:03:17, 44:03:19-44:09, 44:11-44:14, 44:16-44:17, 44:19N, 44:21-44:30, 44:32-44:35, 44:37:01-44:40, 44:42-44:46, 44:48-44:53, 44:55-44:64:02, 44:66-44:81, 44:83-44:86, 44:88-44:98, 44:101-44:105, 44:107-44:118, 44:120-44:134, 44:136-44:137, 44:139, 44:141-44:150, 44:152-44:157, 44:159-44:165, 44:167-44:183, 44:185-44:192, 51:04, 51:42, 51:46, 51:56:01, 51:139, 53:17:01, 55:14, 56:12, 57:01:01-57:04, 57:06-57:10, 57:12-57:20, 57:22-57:32, 57:34-57:39, 57:41-57:47, 57:49-57:66, 57:68-57:70, 58:28, 83:01, C*03:40:03, C*04:110
15	135 bp	1070 bp	*35:15, 35:33, 35:66, 35:86	*07:68:01-07:68:03, 07:214, 13:01:01-13:02:16, 13:07N-13:11, 13:13-13:20, 13:22:01-13:23, 13:25-13:45, 13:47, 13:49N-13:52, 13:54-13:61, 13:63N-13:70, 13:72-13:78, 15:40, 15:47:01-15:47:02, 15:49, 15:52, 15:114, 15:117, 15:124, 15:138, 15:238, 15:241, 18:10, 18:35, 18:50, 27:01-27:05:19, 27:05:21-27:06, 27:08-27:10, 27:12-27:14, 27:16-27:19, 27:21, 27:23, 27:26-27:27, 27:29-27:32, 27:35, 27:37, 27:39-27:42, 27:44-27:46, 27:48-27:61, 27:64N-27:70, 27:72-27:75, 27:77-27:89, 27:91-27:94N, 27:96:01-27:101, 27:103-27:124, 37:02, 39:47, 39:50, 40:35:01-40:35:02, 40:77, 40:87:01-40:87:02, 40:95, 40:121, 40:158, 40:222, 40:237, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 44:150, 45:10, 46:25, 46:30, 47:01:01:01-47:07, 47:09, 48:12, 48:14, 48:26,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

16 ⁵	95 bp	1070 bp	*35:19, 35:47, 35:154, 35:217	48:29, 49:07, 50:31, 51:16, 51:31, 51:34, 51:82, 51:93, 52:08, 54:26, 55:09, 55:22, 55:24, 57:25, 58:37, C*02:56 *07:133 ^w , 15:143, 18:48, 39:69, 40:08, 40:25, 40:68, 40:106, 40:166 ^w , 40:232, 44:12, 50:15, 51:112, 53:30
	190 bp		*35:77	
17 ⁹	180 bp	800 bp	*35:26	*08:01:24, 14:11, 14:28, 15:189, 38:33, 39:04, 49:26
18 ⁵	105 bp	800 bp	*35:20:01-35:20:02, 35:28, 35:72, 35:95, 35:226	*13:58, 15:202, 15:239, 15:308, 18:01:01:01-18:06, 18:08-18:15, 18:17N-18:28, 18:30-18:32, 18:34- 18:36, 18:38-18:47, 18:49-18:65, 18:67-18:78, 18:80-18:103, 37:01:01-37:01:05, 37:01:07-37:05, 37:07-37:20, 37:22-37:25, 37:27, 37:29-37:49, 40:185, 40:209, 44:83, 44:134, 49:03, 51:07:01- 51:07:02, 52:01:01:01-52:01:12, 52:01:14- 52:01:20, 52:03-52:05, 52:07-52:15, 52:17-52:21, 52:24-52:31:02, 52:33-52:39, 53:09, 53:17:01- 53:17:02, 53:28, 78:05-78:06
	180 bp		*35:35, 35:93, 35:188, 35:190	*08:37, 08:89, 08:107, 15:50, 15:69, 15:93, 15:186, 15:199, 18:01:01:01-18:01:13, 18:01:15-18:01:17, 18:01:19-18:09, 18:11-18:15, 18:17N-18:19, 18:22- 18:25, 18:27-18:34, 18:37-18:40, 18:42-18:49, 18:51-18:55, 18:59-18:60, 18:62-18:85, 18:87- 18:96, 18:98-18:100, 18:102-18:103, 37:35, 38:52, 39:07, 39:43, 39:91, 42:09, 46:03, 46:21:01- 46:21:02, 46:29, 54:09, 54:14, 55:14, 55:23, 56:18, 56:31-56:32, 57:26, 58:05, 58:35, C*06:89, C*07:123, C*07:173, C*07:294, C*12:113, C*15:09, C*15:19, C*15:27, C*15:61, C*16:20
19	230 bp	1070 bp	*35:29:01-35:29:02, 35:69, 35:74, 35:76, 35:136, 35:186, 35:198, 35:229, 35:254	*07:29, 07:65, 07:72, 07:86, 08:01:01-08:01:28, 08:02 ^w , 08:04-08:05, 08:07-08:22, 08:24-08:53:02, 08:55-08:65, 08:67N-08:71, 08:73-08:77, 08:78 ^w , 08:79-08:93, 08:95-08:109, 08:111-08:116, 08:118-08:123, 14:11, 14:28, 15:61, 15:70, 15:76, 15:101, 15:180, 15:189, 15:236, 15:255, 15:289, 27:106, 39:04, 39:63, 40:43, 40:73, 40:166, 41:27, 44:90, 45:06, 46:01:01-46:01:09, 46:01:10 ^w - 46:01:16 ^w , 46:01:18 ^w , 46:02-46:04, 46:06-46:43, 46:44 ^w -46:49 ^w , 46:51Q ^w , 46:52, 46:53 ^w -46:57 ^w , 51:20 ^w , 53:23 ^w , 54:01:01-54:01:03, 54:01:05, 54:03-54:11, 54:12 ^w , 54:13-54:22, 54:24-54:29, 54:31-54:32, 55:01:01-55:01:07, 55:01:09-55:05, 55:07-55:09, 55:11-55:17, 55:19-55:30, 55:32- 55:64, 56:01:01-56:06, 56:07 ^w , 56:08-56:20:02, 56:21 ^w , 56:22, 56:24-56:34, 56:36-56:40, 56:41 ^w , 56:43, 78:01:01-78:01:02, 78:03, 78:07, 83:01
20 ⁹	200 bp	1070 bp	*35:31, 35:88, 35:230	*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206-07:207, 07:209-07:210, 07:213-07:214, 08:40, 08:79, 13:01:01-13:01:02, 13:01:04- 13:02:16, 13:07N-13:09, 13:11, 13:13-13:23, 13:25, 13:27-13:33, 13:36-13:45, 13:47, 13:49N- 13:50, 13:52, 13:54-13:61, 13:63N-13:71, 13:73-13:78, 27:07:01-27:07:04, 27:11, 27:20,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				27:24, 27:27, 27:33, 27:43, 27:125, 39:47, 39:50, 40:01:01-40:01:25, 40:01:27, 40:01:28 ^w , 40:01:29-40:01:31, 40:01:33-40:02:09, 40:02:11-40:02:17, 40:02:19, 40:04, 40:06:01:01-40:06:09, 40:07-40:08, 40:10:01-40:16, 40:19, 40:21-40:23, 40:25, 40:27:01-40:27:02, 40:29-40:30, 40:34-40:38, 40:40, 40:43, 40:45-40:50, 40:53-40:58, 40:61-40:62, 40:64-40:70:02, 40:72:01-40:88, 40:90-40:91, 40:93-40:97, 40:99-40:119, 40:121-40:123, 40:125-40:130:02, 40:132, 40:134-40:158, 40:160:01-40:162, 40:164-40:171, 40:173, 40:175-40:179, 40:181-40:183, 40:185-40:186, 40:188-40:198, 40:200-40:266, 40:268-40:279, 40:281-40:283, 40:285, 41:19, 44:06, 44:31, 48:01:01-48:01:06, 48:03:01-48:07, 48:09-48:16, 48:18-48:22, 48:24, 48:27-48:34, 49:03, 51:01:01, 51:01:03-51:01:08, 51:01:10-51:01:39, 51:01:41-51:02:01, 51:02:03-51:04, 51:06:01-51:07:01, 51:08:01-51:09:01, 51:10-51:14, 51:16-51:24:05, 51:26-51:42, 51:44N-51:46, 51:48-51:53, 51:55-51:77, 51:79-51:88, 51:90-51:102, 51:104-51:115, 51:117-51:118N, 51:120-51:131, 51:133-51:143, 51:145-51:147, 51:149N-51:173Q, 52:01:02, 52:01:04, 52:01:09, 52:02:01, 52:03, 52:06:01-52:06:02, 52:08-52:09, 52:10:03, 52:21, 52:31:02, 53:06, 54:26, 55:09, 55:22, 55:24, 58:08:01, 58:27, 81:01-81:07, A*23:01:14, C*02:68
21	260 bp	800 bp	*35:25, 35:124-35:125, 35:142, 35:162	*18:01:01:01-18:03, 18:05-18:15, 18:17N-18:28, 18:30-18:79, 18:81-18:97, 18:99-18:101, 18:103, 27:75, 37:01:01-37:21, 37:23-37:40, 37:42N-37:49, 40:149 [?] , 44:130, 44:156, 51:116, 52:16, 52:27, 57:58, 58:12, 81:01, 81:03 [?] -81:07 [?] , 83:01
22⁵	90 bp	1070 bp	*35:46	*13:36, 15:02:01-15:02:09, 15:08:01-15:08:02, 15:11:01-15:11:06, 15:13:01-15:13:02, 15:15, 15:21, 15:31, 15:44, 15:55, 15:76 ^w , 15:88-15:89, 15:112, 15:121, 15:139, 15:144, 15:148, 15:170, 15:189, 15:191, 15:194, 15:209N, 15:213-15:215, 15:223, 15:265, 15:283-15:284, 15:291, 15:297, 15:301-15:303, 15:305, 15:319, 51:104, 55:35 ^w , 56:39 ^w
	270 bp		*35:21, 35:24:01-35:24:02, 35:81, 35:96, 35:109, 35:157, 35:188, 35:190, 35:233	*14:10, 18:22, 18:69, 37:04:01-37:04:02, 40:28, 44:190, 51:04, 51:46, 51:56:01-51:56:02, 51:139, 53:02, 53:06, 53:28, 57:14, 58:09, C*15:39
23	190 bp	800 bp	*35:01:01:01-35:07, 35:08:01 ^w -35:08:07 ^w , 35:09:01-35:10, 35:13, 35:15, 35:18 ^w , 35:19-35:20:02, 35:23-35:30, 35:33-35:37, 35:40N-35:42:02, 35:45 ^w , 35:46-35:50, 35:52-35:57, 35:60, 35:63-35:65Q, 35:66 ^w , 35:68:01-35:72, 35:74-35:78, 35:80 ^w , 35:81-35:85, 35:88-35:95, 35:97-35:98, 35:100 ^w ,	*13:01:01-13:04, 13:06-13:09, 13:11-13:15, 13:17, 13:18 ^w , 13:19, 13:22:01-13:23, 13:25-13:30, 13:32-13:34, 13:36-13:40, 13:42-13:45, 13:47, 13:49N-13:61, 13:63N-13:64, 13:66-13:70, 13:72, 13:73 ^w , 13:74-13:78, 15:20, 15:86, 15:222, 18:22, 18:52, 27:14, 40:04, 40:24, 40:59-40:60, 40:68, 40:70:01, 40:99, 40:120, 40:125, 40:129, 44:10, 46:11, 46:18, 46:33, 48:02:01-48:02:03, 48:17, 49:11, 51:15, 51:157, 53:01:01-53:05, 53:09-53:10, 53:11 ^w , 53:12-53:15, 53:16 ^w , 53:17:01-53:21, 53:23, 53:24 ^w , 53:25-53:27, 53:29-53:35, 54:01:01-54:05N, 54:07-54:08N, 54:10 ^w , 54:11-54:19, 54:21-54:32, 55:02:01-55:02:08, 55:07, 55:10,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

			35:101:01-35:101:02, 35:103-35:104, 35:105 ^w , 35:106-35:112, 35:114, 35:116, 35:119-35:124, 35:126-35:134N, 35:136- 35:140, 35:142 ^w , 35:143- 35:148, 35:150-35:155, 35:156 ^w , 35:157, 35:158 ^w , 35:159-35:162, 35:166 ^w , 35:168, 35:170-35:171, 35:172 ^w , 35:173N, 35:174 ^w , 35:175, 35:176 ^w , 35:177-35:178, 35:180- 35:184, 35:186, 35:187 ^w , 35:189-35:191, 35:192 ^w , 35:193-35:195, 35:197- 35:198, 35:200, 35:202- 35:205, 35:206 ^w , 35:207, 35:209-35:212, 35:214, 35:216N-35:224, 35:225 ^w , 35:226-35:228, 35:229 ^w , 35:231, 35:235-35:241, 35:243-35:250, 35:252- 35:254	55:12-55:13, 55:16, 55:18-55:19, 55:22-55:23, 55:26-55:27, 55:30, 55:32, 55:34-55:35, 55:37 ^w , 55:39, 55:41-55:43, 55:46-55:48, 55:50, 55:61- 55:63, 56:01:01-56:02, 56:07-56:11, 56:14-56:17, 56:19N-56:20:02, 56:22-56:24, 56:26, 56:28N- 56:29, 56:33-56:36, 56:38N-56:42, 57:05 ^w , 57:67, 58:01:01-58:02, 58:04, 58:07, 58:09, 58:11-58:18, 58:21, 58:22 ^w , 58:23-58:26, 58:28-58:29, 58:31N- 58:45:02, 58:47-58:58, 59:01:01:01-59:08, A*02:211:01^w, A*24:261^w, A*33:40^w, C*01:06^w, C*02:03, C*04:34, C*04:113^w, C*04:122, C*05:12^w, C*07:95, C*07:342, C*08:39, C*14:53, C*15:57, C*16:43^w
24	425 bp	1070 bp		*18:54, 18:67, 27:02:01-27:03, 27:05:02-27:05:28, 27:07:01-27:07:04, 27:09-27:10, 27:13-27:14, 27:16-27:17, 27:19, 27:27-27:30, 27:32, 27:34- 27:35, 27:37-27:39, 27:41, 27:43, 27:45-27:48, 27:50-27:60, 27:62, 27:64N-27:65N, 27:67, 27:70- 27:78, 27:80-27:85, 27:87-27:88, 27:90:01- 27:90:02, 27:92-27:99, 27:101-27:102, 27:104, 27:111, 27:116-27:119, 27:121-27:124, 37:01:01- 37:04:02, 37:06:01-37:09, 37:12-37:13, 37:15- 37:28, 37:30N-37:36, 37:38-37:49, 40:13, 40:19 [?] , 40:109 [?] , 40:117 [?] , 40:188 [?] , 44:06, 44:25, 44:50:01, 44:95, 47:01:01:01-47:01:02, 47:05-47:09, 51:01:01-51:01:39, 51:01:41-51:24:05, 51:26- 51:46, 51:48-51:53, 51:55-51:77, 51:79-51:173Q, 52:01:01:01-52:19, 52:21-52:39, 53:01:01- 53:08:02, 53:10, 53:14-53:30, 53:32-53:35, 57:01:01-57:11, 57:13-57:70, 58:01:01-58:02, 58:04-58:16:02, 58:18-58:29, 58:31N-58:59
25	135 bp	800 bp	*35:27, 35:56, 35:185, 35:203	*18:49, 18:79, 37:05, 78:06
	220 bp		*35:01:34, 35:03:11, 35:09:02-35:09:03, 35:18, 35:31, 35:64:01, 35:88, 35:114, 35:118, 35:205, 35:230	*07:02:01-07:02:13, 07:02:15-07:02:24, 07:02:26- 07:02:34, 07:02:36-07:67N, 07:68:03-07:99, 07:101-07:213, 07:215-07:219, 08:01:02, 08:01:13, 08:20, 08:53:02, 08:79, 13:21, 13:71, 15:01:35, 15:02:03, 15:03:02, 15:10:03, 15:33, 15:47:02, 15:78:02, 15:107, 15:116, 15:141, 15:150, 15:188, 15:248, 18:21, 27:01-27:05:26, 27:05:28-27:21, 27:23-27:75, 27:77-27:89, 27:90:02-27:98, 27:100- 27:123, 27:125, 37:02, 37:07, 37:09, 38:22, 40:01:01-40:01:13, 40:01:15-40:06:04, 40:06:06-40:13, 40:14:03-40:16, 40:18-40:25, 40:27:01-40:27:02, 40:29-40:35:01, 40:36-40:40,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				40:42-40:70:02, 40:72:02-40:76, 40:78-40:81, 40:83-40:86, 40:87:02-40:94, 40:96-40:120, 40:122-40:135, 40:137-40:157, 40:159-40:183, 40:185-40:236, 40:238-40:254, 40:256N-40:285, 41:08, 44:03:14, 44:31, 44:150, 44:169, 44:182, 46:01:16, 46:06, 47:01:01:01-47:09, 48:01:01-48:01:06, 48:03:01-48:11, 48:13, 48:15-48:24, 48:26-48:34, 51:01:09, 51:01:21, 51:01:25, 51:10, 51:24:02-51:24:04, 51:81, 54:11, 55:04, 55:08, 55:49, 56:20:02, 57:01:07, 57:13, 58:27, 67:03, 81:01-81:07
26	210 bp	800 bp	*35:50, 35:84, 35:162, 35:197, 35:231	*07:08, 07:32, 07:38, 07:207, 08:94, 18:07:01-18:07:02, 18:29, 18:79, 27:23, 37:21, 38:06-38:07, 39:58, 39:83, 40:08, 40:13, 40:68, 40:162, 40:220, 40:232, 48:06, 48:31, 51:57, 51:103, 51:116, 53:21
	370 bp		*35:01:23, 35:42:01	*18:07:01-18:07:02, 18:29, 18:79, 27:23, 37:21, 40:08, 40:13, 40:68 [?] , 40:106 [?] , 40:162 [?] , 40:220 [?] , 40:232 [?]
27^{5,9}	110 bp 160 bp	1070 bp	*35:41 *35:84, 35:90, 35:150, 35:184, 35:201, 35:217	*07:177 ^w , 08:102, 08:122, 13:36, 18:80, 18:102, 27:23, 27:92, 38:16, 38:46, 40:08, 40:25, 40:68, 40:106, 40:166 ^w , 40:232, 44:12, 49:26, 50:15, 51:103, 51:119, 56:36 ^w , 73:01 ^w -73:02 ^w
28	230 bp	800 bp	*35:05:01-35:05:03, 35:22, 35:32:01-35:32:02, 35:43:01-35:44, 35:51, 35:58, 35:67, 35:68:02, 35:72, 35:79, 35:89, 35:97, 35:99, 35:102, 35:114, 35:117-35:118, 35:135, 35:151, 35:185, 35:199, 35:232, 35:234, 35:251	*07:20, 07:24, 07:60, 07:100, 07:131, 08:21, 08:25, 15:01:01:01-15:01:04, 15:01:06-15:01:13, 15:01:15-15:01:35, 15:03:01-15:03:04, 15:05:01-15:05:02, 15:07:01-15:11:02, 15:11:04-15:11:06, 15:12 ^w , 15:14-15:15, 15:17:01:01-15:18:01, 15:18:03-15:18:06, 15:19 ^w , 15:23-15:24:02, 15:28-15:31, 15:33-15:35, 15:37-15:39:02, 15:43, 15:45-15:46, 15:48, 15:51, 15:53-15:58, 15:60-15:61, 15:63-15:66, 15:68, 15:70-15:76, 15:78:01-15:79N, 15:81-15:82, 15:87, 15:90-15:92, 15:94N, 15:96-15:99, 15:101-15:105, 15:107-15:108, 15:111N, 15:113, 15:115-15:116, 15:118-15:120, 15:122-15:123, 15:125-15:128, 15:131-15:136, 15:140-15:143, 15:145-15:153, 15:156-15:169, 15:171-15:183, 15:185, 15:187, 15:189-15:193, 15:196-15:198, 15:200-15:203, 15:205-15:212, 15:215-15:217, 15:219-15:221, 15:225-15:237, 15:239, 15:242-15:244, 15:246N-15:249, 15:251, 15:253, 15:255-15:264, 15:266-15:269, 15:270 ^w , 15:272N-15:282, 15:284-15:288, 15:290, 15:292, 15:294N-15:296, 15:298 ^w , 15:300, 15:304N ^w , 15:305-15:307, 15:309, 15:311-15:318, 15:320, 18:36, 18:56-18:58, 18:101, 38:30, 39:32, 39:74, 40:05, 40:26, 40:63, 40:71, 40:92, 40:174, 44:41:01, 44:54, 44:65, 44:82, 44:106, 44:135, 44:158, 44:184, 46:01:01-46:01:16, 46:01:18-46:02, 46:04-46:05, 46:08-46:10, 46:12-46:17, 46:19-46:20, 46:22-46:28, 46:31, 46:34-46:50, 46:52-46:57, 51:06:01, 51:45, 51:59, 51:62, 51:64, 51:135, 51:148, 53:14, 54:06, 55:08, 55:51, 56:02-56:04, 58:16:01, 58:18, C*02:58, C*03:05, C*03:13:02, C*03:25, C*03:27, C*03:135, C*03:167, C*12:83, C*12:106

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

29⁵	105 bp	1070 bp	*35:37, 35:235	*13:04, 13:46, 13:72, 15:04:01-15:04:02, 15:16:01-15:16:03, 15:67, 15:95, 15:137, 15:155, 15:222, 15:254, 15:293, 15:310, 39:06:01-39:06:04, 39:33-39:34, 39:50, 39:57, 39:62, 39:64, 39:83, 39:90, 40:86, 40:159, 41:30, 45:02, 45:09, 46:32, 49:04-49:05, 50:09, 50:33, 51:13:01-51:13:02, 51:37, 51:63, 51:92, 51:97, 51:172, 52:14, 52:39, 54:14, 55:13, 55:23, 55:32, 55:58, 56:22, 59:03, 73:01-73:02
30^{5,8}	115 bp	800 bp	*35:15, 35:33, 35:66	*07:02:13, 07:02:35, 07:68:02, 07:151:02, 07:209, 08:40, 13:01:01-13:02:16, 13:07N-13:11, 13:13-13:21, 13:22:02-13:23, 13:25-13:45, 13:47, 13:49N, 13:51-13:52, 13:54-13:59, 13:61, 13:63N-13:70, 13:72-13:78, 18:10, 18:35, 18:50, 27:90:01, 39:47, 39:50, 40:06:05, 40:14:01, 40:72:01, 40:77, 40:95, 40:121, 40:136, 40:237, 41:19, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 45:10, 48:12, 49:07, 50:31, 51:16, 51:31, 51:34, 51:82, 51:93, 52:08, 54:26, 55:09, 55:22, 55:24, 58:37, C*01:10^w, C*02:02:14^w, C*07:15^w, C*07:207^w
	325 bp		*35:25-35:26, 35:49, 35:198, 35:254	*18:37, 27:01-27:21, 27:23-27:51, 27:53-27:66N, 27:68-27:125, 37:28, 40:46 [?] , 40:93 [?] , 44:40, 44:44, 44:130, 44:156, 52:16, 58:44, 81:01, 81:03 [?] -81:07 [?] , 83:01
31	170 bp	1070 bp	*35:25, 35:124-35:125, 35:142, 35:162	*07:08, 07:32, 07:38, 07:207, 08:01:01-08:03, 08:05, 08:07-08:16, 08:18-08:25, 08:27-08:53:02, 08:55, 08:57-08:60, 08:62-08:64, 08:66-08:84, 08:86N-08:101, 08:103-08:109, 08:111-08:121, 15:29, 15:180, 18:07:01-18:07:02, 18:79, 37:21, 38:06-38:07, 39:58, 39:83, 48:06, 48:31, 51:116
	210 bp		*35:50, 35:84, 35:162, 35:197, 35:231	*07:08, 07:32, 07:38, 07:207, 08:94, 18:07:01-18:07:02, 18:29, 18:79, 27:23, 37:21, 38:06-38:07, 39:58, 39:83, 40:08, 40:13, 40:68, 40:162, 40:220, 40:232, 48:06, 48:31, 51:57, 51:103, 51:116, 53:21
32	170 bp	1070 bp	*35:29:01-35:29:02, 35:69, 35:76, 35:136, 35:186 ^w , 35:198, 35:229	*07:02:01-07:02:02, 07:02:04-07:05:03, 07:05:05-07:10, 07:11 ^w , 07:12, 07:13 ^w , 07:14, 07:15 ^w , 07:17-07:26, 07:28-07:35, 07:39-07:49N, 07:51-07:55, 07:56:02, 07:57 ^w , 07:58-07:72, 07:74, 07:76-07:90, 07:92 ^w , 07:93-07:104, 07:106-07:148, 07:150-07:179, 07:181N-07:184, 07:185 ^w , 07:186-07:199, 07:201N-07:206, 07:208-07:216, 07:218, 08:01:11, 08:56:01, 14:01:04, 15:70, 15:76, 15:101, 15:189, 15:236, 18:03, 37:37, 39:01:14, 39:19:02, 42:01:01-42:02, 42:04-42:10, 42:12-42:14, 42:15 ^w , 42:16-42:20, 46:01:01 ^w , 46:01:03 ^w -46:01:16 ^w , 46:01:18 ^w , 46:03 ^w -46:34 ^w , 46:36 ^w -46:49 ^w , 46:51Q ^w -46:57 ^w , 54:01:02, 55:35, 56:03, 56:06, 78:01:01-78:01:02, 78:03, 78:07, 81:01-81:07, 83:01, C*01:73^w, C*07:02:30^w, C*08:16:02^w
33^{5,8}	70 bp	1070 bp	*35:47, 35:154	*15:46, 15:106, 40:02:04, 40:10:02, 40:248, 44:84:01, 57:45
	205 bp		*35:45, 35:71, 35:169	*07:20, 07:140, 07:153, 15:14, 15:91, 15:131, 15:161, 18:56, 40:132, 40:178, 44:10, 44:14, 44:17, 44:31, 44:43:01-44:43:02, 44:45, 44:51, 44:62, 44:77, 44:82, 44:107, 44:123, 44:135, 44:184, 45:09, 45:14, 46:17, 51:23, 51:108, 52:15,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				53:22, 57:07, 58:07, 82:01-82:03
34	310 bp		*35:94	
	185 bp	800 bp	*35:214	*44:133
	230 bp		*35:48	*37:39, 37:48, 53:07, C*03:90, C*03:103
35⁷	240 bp	1070 bp	*35:40N	
	365 bp		*35:68:01	*08:12:03, 08:107, 51:06:02
36⁵	110 bp	800 bp	*35:79	
	180 bp		*35:70, 35:220	*40:236
	230 bp		*35:35	*15:265, 37:40, 38:20, 39:42, C*15:51
37⁵	85 bp	1070 bp	*35:60	*13:01:01-13:03, 13:06-13:09, 13:11-13:12:02, 13:14-13:20, 13:22:01-13:23, 13:25, 13:27-13:34, 13:36-13:45, 13:47-13:50, 13:52-13:58, 13:60- 13:61, 13:63N-13:70, 13:73-13:78, 14:37, 15:42, 15:73, 15:86, 15:224, 15:303, 39:17, 40:71, 44:10, 44:15, 44:18, 44:140, 45:01:01-45:01:02, 45:04- 45:08, 45:10-45:14, 46:11, 46:18, 49:01:01-49:03, 49:06-49:17, 49:19N-49:31, 50:01:01-50:02, 50:04- 50:08, 50:10-50:13, 50:15-50:19, 50:31-50:32, 50:34-50:38, 51:15, 51:62, 51:106, 51:157, 52:25, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:16-54:32, 55:01:01-55:03, 55:05, 55:07, 55:09-55:12, 55:15-55:16, 55:18-55:19, 55:21-55:22, 55:24-55:26, 55:29-55:31, 55:33- 55:48, 55:50, 55:52-55:57, 55:59-55:64, 56:01:01- 56:01:03, 56:01:06-56:02, 56:04, 56:07-56:08, 56:10, 56:13-56:14, 56:16-56:17, 56:19N, 56:23- 56:30, 56:33-56:43, 59:01:01:01-59:01:01:02, 59:04-59:08, 82:01-82:03
	38	300 bp	800 bp	*35:02:01-35:02:06, 35:81, 35:83, 35:95, 35:129N, 35:146, 35:154, 35:157, 35:162, 35:172, 35:182-35:184, 35:211, 35:220
39⁵	115 bp	1070 bp	*35:14:01-35:14:02, 35:43:01-35:44, 35:62, 35:67, 35:79, 35:86, 35:102, 35:117, 35:135, 35:163, 35:185, 35:213	*07:100, 13:31, 13:41, 15:01:01:01-15:01:04, 15:01:06-15:01:16, 15:01:18-15:01:30, 15:01:32- 15:01:35, 15:04:01-15:04:02, 15:07:01-15:08:02, 15:11:01-15:12, 15:14-15:15, 15:19, 15:24:01- 15:24:02, 15:26N-15:28, 15:30, 15:32:01-15:32:02, 15:34-15:35, 15:38:01-15:38:02, 15:43, 15:45- 15:46, 15:50, 15:53-15:54, 15:56-15:58, 15:60, 15:63, 15:66, 15:68, 15:70-15:71, 15:73, 15:75- 15:77, 15:79N, 15:81-15:82, 15:85, 15:87, 15:92, 15:94N, 15:96-15:97, 15:101-15:102, 15:104- 15:105, 15:109-15:111N, 15:113, 15:117-15:118, 15:120, 15:122, 15:125-15:126, 15:128-15:129, 15:135, 15:137, 15:140, 15:142-15:149N, 15:152, 15:154, 15:157, 15:159-15:160, 15:163-15:167, 15:169, 15:171-15:172, 15:174-15:175, 15:178, 15:180-15:184, 15:187, 15:189-15:193, 15:201- 15:203, 15:205-15:207, 15:209N, 15:211-15:212, 15:215, 15:217, 15:225, 15:227-15:228, 15:231- 15:234, 15:236, 15:239, 15:241, 15:244-15:247, 15:251, 15:256-15:262N, 15:264, 15:267, 15:269-15:270, 15:272N, 15:276-15:280, 15:284- 15:286, 15:296, 15:298-15:299, 15:303-15:305, 15:309, 15:315-15:318, 15:320, 18:19, 27:25,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				27:115, 39:36, 44:146, 46:01:01-46:01:16, 46:01:18-46:02, 46:04-46:05, 46:07N, 46:09-46:10, 46:12, 46:14-46:17, 46:20, 46:22-46:24, 46:26-46:32, 46:34-46:42, 46:44, 46:46-46:53, 46:55N-46:57, 51:61:01-51:61:02, 52:21, 54:06, 55:21, 56:03, 56:43, A*26:68, A*26:100, A*68:56, C*02:56, C*06:20, C*12:50
40	185 bp	1070 bp	*35:63, 35:137, 35:147, 35:182, 35:217	*07:73, 08:88, 08:102, 15:53, 15:212, 18:102, 27:08, 27:12, 27:18, 27:26, 27:33, 27:40, 27:42, 27:44, 27:89, 40:01:01-40:02:03, 40:02:05-40:09, 40:11:01-40:11:02, 40:14:01-40:16, 40:18, 40:20, 40:22N-40:40, 40:42-40:46, 40:48-40:75, 40:77-40:82, 40:84-40:93, 40:95, 40:97-40:108, 40:111-40:116, 40:118N-40:136, 40:138-40:156, 40:158-40:169, 40:171-40:184, 40:186-40:187, 40:189-40:200, 40:202-40:208, 40:210-40:214, 40:216N-40:247, 40:249-40:285, 41:01-41:02:03, 41:02:05-41:04, 41:06-41:11, 41:13-41:25, 41:27-41:32, 44:09, 44:46, 44:75, 44:90, 44:129, 44:131, 45:01:01-45:14, 47:02, 47:03 ^w , 50:01:01-50:02, 50:04-50:20, 50:31-50:38
41^{5,7}	110 bp	1070 bp	*35:82, 35:85, 35:135, 35:200	*18:33, 39:19:01-39:19:02, 51:22, 52:23, 78:03
42⁵	115 bp 155 bp 190 bp 250 bp	800 bp	*35:97 *35:53N *35:91 *35:65Q	
43	205 bp 255 bp	1070 bp	*35:54 *35:89	*51:140
44^{5,7}	110 bp 145 bp	1070 bp	*35:78	*13:58, 18:09, 37:10, 44:83, 44:134, 51:54, 51:78:01-51:78:02, 52:20, 53:09, 53:11-53:13, 53:31
45	300 bp 165 bp	800 bp	*35:55 *35:01:01:01-35:01:27, 35:01:29-35:30, 35:32:01-35:34, 35:36-35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59, 35:61:01-35:72, 35:74-35:78, 35:80-35:86, 35:88-35:184, 35:186-35:254	*15:20, 15:228, 15:305, 48:02:01-48:02:03, 51:01:01-51:24:05, 51:26-51:41N, 51:43-51:46, 51:48-51:156, 51:158-51:163, 51:165-51:173Q, 52:01:01:01-52:06:02, 52:08-52:39, 53:01:01-53:35, 56:05:01-56:05:02, 56:21, 56:36, 58:01:01-58:02, 58:04-58:10N, 58:12-58:19, 58:21-58:29, 58:31N-58:59, 67:05, 78:01:01-78:07, 81:03, 83:01 [?]
46	165 bp	1070 bp	*35:31, 35:35 ^w , 35:43:01, 35:46, 35:57, 35:60, 35:79, 35:87, 35:185	*07:02:01-07:57, 07:59-07:219, 08:01:01-08:05, 08:07-08:123, 13:01:01-13:04, 13:06-13:23, 13:25-13:60, 13:62-13:78, 14:01:01 ^w -14:40 ^w , 15:01:01:01-15:01:04, 15:01:06-15:19, 15:21, 15:23-15:40, 15:42-15:58, 15:60-15:99, 15:101, 15:103-15:129, 15:131-15:227, 15:229-15:283, 15:285-15:304N, 15:306-15:320, 18:01:01:01-18:15, 18:17N-18:103, 27:01-27:21, 27:23-27:125, 37:01:01-37:49, 38:01:01 ^w -38:53 ^w , 39:01:01:01 ^w -39:01:01:03 ^w , 39:01:03 ^w -39:20 ^w , 39:22 ^w -39:42 ^w , 39:43, 39:44 ^w -39:45 ^w , 39:47 ^w -39:92 ^w , 40:01:01-40:06:02, 40:06:03 ^w , 40:06:04-40:06:07, 40:06:09-40:16, 40:18-40:40, 40:42-40:235, 40:237-40:271, 40:273-40:285, 41:01-41:32,

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

				42:01:01-42:02, 42:04-42:20, 44:02:01:01-44:65, 44:67-44:117, 44:119-44:193, 45:01:01-45:14, 46:01:01-46:01:16, 46:01:18-46:57, 47:01:01:01-47:09, 48:01:01-48:01:06, 48:02:02-48:34, 49:01:01-49:31, 50:01:01-50:02, 50:04-50:20, 50:31-50:38, 51:42, 51:157, 52:07, 54:01:01-54:32, 55:01:01-55:01:02, 55:01:04-55:05, 55:07-55:64, 56:01:01-56:04, 56:06-56:20:02, 56:22-56:43, 57:01:01-57:01:10, 57:01:12-57:70, 58:11, 58:20 ^w , 59:01:01:01-59:08, 67:01:01 ^w -67:04 ^w , 81:01-81:02, 81:04N-81:07, 82:01-82:03, 83:01 [?]
47 ⁹	160 bp	800 bp	*35:38, 35:169	*08:69, 38:30, 41:18, 42:06, 44:117 ^w , 45:14, 55:56, 56:13, 82:01-82:03, C*07:04:01^w-07:04:08^w, C*07:04:09, C*07:11^w-07:12^w, C*07:45^w, C*07:63^w, C*07:101^w, C*07:139^w, C*07:142^w, C*07:181^w, C*07:199:01^w-07:199:02^w, C*07:272, C*07:323-07:324, C*07:328-07:329N, C*07:336, C*07:338, C*07:354-07:355, C*07:357-07:358, C*07:361, C*07:364-07:365
48	390 bp	1070 bp	*35:01:01:01-35:19, 35:21-35:25, 35:27, 35:29:01-35:62, 35:64:01-35:71, 35:74-35:75, 35:77, 35:79-35:81, 35:83-35:84, 35:86-35:94, 35:96-35:134N, 35:136-35:185, 35:187-35:225, 35:227-35:228, 35:230-35:254	*18:07:01-18:07:02, 18:29, 18:79, 27:23, 37:21, 40:08, 40:13, 40:68 [?] , 40:106 [?] , 40:162 [?] , 40:220 [?] , 40:232 [?] , 44:06, 51:01:01-51:06:02, 51:08:01-51:21, 51:23-51:24:05, 51:26-51:46, 51:48-51:127, 51:129-51:173Q, 52:06:01-52:06:02, 53:01:01-53:08:02, 53:10-53:16, 53:18-53:27, 53:29-53:35, 78:01:01-78:02:02, 78:04, 78:07
49	385 bp	800 bp	*35:01:04, 35:05:01-35:05:03, 35:08:03, 35:30, 35:58, 35:66, 35:68:02, 35:89, 35:97, 35:114, 35:151, 35:232	*08:96, 51:56:01, 53:14
50 ⁸	170 bp	1070 bp	*35:101:01-35:101:02, 35:195, 35:211, 35:216N	*51:76
51 ⁵	65 bp 160 bp 185 bp	1070 bp	*35:145N *35:100, 35:102 *35:214	*44:133
52	220 bp 250 bp	1070 bp	*35:141 *35:104	
53 ⁸	135 bp 220 bp	1070 bp	*35:103 *35:129N	
54	160 bp 190 bp	1070 bp	*35:106, 35:216N *35:110	
55	300 bp	1070 bp	*35:108:01-35:108:02	*40:228 [?] , 53:26
56	140 bp 225 bp	1070 bp	*35:128 *35:107, 35:158	*15:306
57	150 bp 185 bp	800 bp	*35:149 *35:111	
58 ⁵	110 bp 160 bp	1070 bp	*35:139 *35:115	*44:157, C*05:30 *08:37, 08:89, 08:107, 15:51, 15:179:01-15:179:02, 15:199, 15:218Q, 18:56, 37:35, 42:09, 44:17, 45:09, 53:22, 57:24

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

	200 bp		*35:112	
59⁵	75 bp	1070 bp	*35:116	
	150 bp		*35:127	*57:21
60⁵	90 bp	800 bp	*35:121	
	135 bp		*35:120	
61⁵	110 bp	800 bp	*35:139	*44:157, C*05:30
	175 bp		*35:122	*15:277-15:278, 56:29
	265 bp		*35:123	
62	140 bp	1070 bp	*35:144	
	260 bp		*35:132, 35:246	C*15:56
63⁵	55 bp	1070 bp	*35:146	C*06:21
64⁵	90 bp	1070 bp	*35:130N	
	245 bp		*35:134N	
65⁸	220 bp	1070 bp		
66⁵	90 bp	1070 bp	*35:133	
	115 bp		*35:105, 35:113, 35:159	
67⁵	105 bp	1070 bp	*35:138	*44:26, 47:07
	200 bp		*35:191	*40:227
68⁵	90 bp	1070 bp	*35:137, 35:140, 35:147, 35:182	*18:102, 27:52, 44:134, 51:103
69⁵	95 bp	1070 bp	*35:143	*51:73, 55:26
	325 bp		*35:147	
70	135 bp	1070 bp	*35:98, 35:117, 35:165N	*15:197, 15:215
71⁵	120 bp	800 bp	*35:126	
	160 bp		*35:119	
72	220 bp	1070 bp	*35:01:34, 35:03:11, 35:09:02-35:09:03, 35:18, 35:31, 35:64:01, 35:88, 35:114, 35:118, 35:205, 35:230	*07:02:01-07:02:13, 07:02:15-07:02:24, 07:02:26- 07:02:34, 07:02:36-07:67N, 07:68:03-07:99, 07:101-07:213, 07:215-07:219, 08:01:02, 08:01:13, 08:20, 08:53:02, 08:79, 13:21, 13:71, 15:01:35, 15:02:03, 15:03:02, 15:10:03, 15:33, 15:47:02, 15:78:02, 15:107, 15:116, 15:141, 15:150, 15:188, 15:248, 18:21, 27:01-27:05:26, 27:05:28-27:21, 27:23-27:75, 27:77-27:89, 27:90:02-27:98, 27:100- 27:123, 27:125, 37:02, 37:07, 37:09, 38:22, 40:01:01-40:01:13, 40:01:15-40:06:04, 40:06:06- 40:13, 40:14:03-40:16, 40:18-40:25, 40:27:01- 40:27:02, 40:29-40:35:01, 40:36-40:40, 40:42- 40:70:02, 40:72:02-40:76, 40:78-40:81, 40:83- 40:86, 40:87:02-40:94, 40:96-40:120, 40:122- 40:135, 40:137-40:157, 40:159-40:183, 40:185- 40:236, 40:238-40:254, 40:256N-40:285, 41:08, 44:03:14, 44:31, 44:150, 44:169, 44:182, 46:01:16, 46:06, 47:01:01:01-47:09, 48:01:01-48:01:06, 48:03:01-48:11, 48:13, 48:15-48:24, 48:26-48:34, 51:01:09, 51:01:21, 51:01:25, 51:10, 51:24:02- 51:24:04, 51:81, 54:11, 55:04, 55:08, 55:49, 56:20:02, 57:01:07, 57:13, 58:27, 67:03, 81:01- 81:07
73⁷	205 bp	800 bp	*35:02:01-35:02:06, 35:81, 35:83, 35:95, 35:129N, 35:146, 35:154, 35:162, 35:172, 35:182- 35:184, 35:211, 35:220	*45:12, 50:36, 53:19

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

74	160 bp	1070 bp	*35:173N	
75⁵	90 bp 135 bp	1070 bp	*35:176 *35:27, 35:56, 35:185, 35:203	*18:49, 18:79, 37:05, 78:06
76⁷	220 bp 375 bp	1070 bp	*35:193 *35:161	C*08:89N *15:198
77⁸	135 bp 180 bp 385 bp	1070 bp	*35:227 *35:245 *35:36	
78	310 bp	1070 bp	*35:94	
79⁵	100 bp	1070 bp	*35:131	
80⁵	105 bp	1070 bp	*35:194	
81⁵	80 bp	1070 bp	*35:219	
82	200 bp	1070 bp	*35:225	
83⁵	95 bp 180 bp	1070 bp	*35:250 *35:245	*51:165
84	130 bp	1070 bp	*35:52, 35:92	
85	415 bp	1070 bp	*35:42:01, 35:42:02 [?]	*18:07:01-18:07:02, 18:29, 18:79, 27:23, 37:21, 40:08, 40:13, 40:68 [?] , 40:106 [?] , 40:162 [?] , 40:220 [?] , 40:232 [?] , 44:06, 59:01:01:01-59:07
86⁹	500 bp	1070 bp	*35:08:05, 35:42:02	*51:04, 51:56:02, 51:139, 53:06
87⁵	125 bp	1070 bp	*35:241	
88¹¹	Negative Control			

¹Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B*35 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 alleles listed are specified according to amplicon length.

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 inherit 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.

²The internal positive control primer pairs amplify segments of the human growth hormone gene. The internal positive control bands are 1070 or 800 base pairs respectively, well distribution as outlined in the table. Well number 1 contains the shorter, 800 bp, internal positive control band. The well distribution of the internal controls can help in orientation of the kit on gel photo, as well as allow for kit identification. In the presence of a specific amplification the intensity of the control band often decreases.

³For several HLA Class I alleles 1st and/or 4th 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. Assumption is made that unknown sequences in these regions are conserved within allelic groups.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

⁴Due to the sharing of sequence motifs between HLA-B alleles, non-HLA-B*35 alleles will be amplified by primer mixes 1 to 9, 11 to 41, 43 to 51, 55, 56, 58, 59, 61, 67 to 70, 72, 73, 75, 76, 83 and 85. In addition, a few HLA-A and HLA-C alleles will be amplified by primer mixes 2, 3, 10, 11, 14, 15, 18, 20, 22, 23, 28, 30, 32, 34, 36, 37, 39, 47, 58, 61 to 63 and 76.

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

⁶Primer mix 7 may faintly amplify the B*44 alleles.

⁷Primer mixes 5, 35, 41, 44, 73 and 76 may have a tendency to giving rise to primer oligomer formation.

⁸Primer mixes 3, 6, 7, 10, 30, 33, 50, 53, 65 and 77 have tendencies of unspecific amplifications.

⁹Primer mixes 8, 17, 20, 27, 47 and 86 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B*35 primer mixes.

¹⁰Primer mix 14 may faintly amplify the B*37 alleles.

¹¹Primer mix 88 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by control primer pairs. PCR product sizes range from 75 to 200 base pairs. The PCR product generated by the control primer pair is 430 base pairs.

'w', might be weakly amplified.

'?', nucleotide sequence of the primer matching region not known.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

PRIMER SPECIFICATION

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec. PCR product	95	150	115	280	290	85	160	280	140	140	225	95
Length of int. pos. control ¹	800	1070	1070	1070	800	1070	800	1070	800	1070	800	1070
5'-primer(s) ²	206 5'-gAC 3'	355 5'-TCA 3'	412 5'-ATg 3'	419 5'-gTC 3'	397 5'-gCT 3'	419 5'-gTA 3'	142 5'-TCA 3'	419 5'-gTT 3'	363 5'-AgC 3'	49 5'-CAg 3'	355 5'-TCA 3'	206 5'-gAC 3'
3'-primer(s) ³	259 5'-gTT 3'	463 5'-gCT 3'	486 5'-gCg 3'	3 rd 5'-TAT 3'	3 rd 5'-TAT 3'	463 5'-gCT 3'	259 5'-gTT 3'	3 rd 5'-TAT 3'	463 5'-gCT 3'	119 5'-ggA 3'	538 5'-CCg 3'	259 5'-CTC 3'
			486 5'-gCT 3'				3 rd 5'-TAT 3'			486 5'-gCg 3'		289 5'-AgC 3'
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Well No.	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec. PCR product	170	75	135	95	180	105	230	200	260	90	190	425
Length of int. pos. control ¹	800	800	1070	1070	800	800	1070	1070	800	1070	800	1070
5'-primer(s) ²	527 5'-TgA 3'	355 5'-TCA 3'	463 5'-TgA 3'	112 5'-CCg 3'	106 5'-CCA 3'	206 5'-gAC 3'	106 5'-CCA 3'	141 5'-ATT 3'	49 5'-CAg 3'	209 5'-ggC 3'	379 5'-ACC 3'	49 5'-CAg 3'
3'-primer(s) ³	3 rd 5'-TAT 3'	387 5'-TCC 3'	559 5'-CTC 3'	259 5'-gTT 3'	246 5'-TAT 3'	272 5'-Tgg 3'	292 5'-gTC 3'	309 5'-ATC 3'	142 5'-TgA 3'	259 5'-gTT 3'	527 5'-CCA 3'	301 5'-gTC 3'
				206 5'-gAA 3'		419 5'-gTC 3'		412 5'-ATA 3'		355 5'-TCA 3'	379 5'-ATC 3'	
						559 5'-CgT 3'	299 5'-TCA 3'	559 5'-CTC 3'		583 5'-gTg 3'	527 5'-CCA 3'	309 5'-ATC 3'
Well No.	13	14	15	16	17	18	19	20	21	22	23	24

Well No.	25	26	27	28	29	30	31	32	33	34	35	36
Length of spec. PCR product	135	210	110	230	105	115	170	170	70	185	240	110
Length of int. pos. control ¹	800	800	1070	800	1070	800	1070	1070	1070	800	1070	800
5'-primer(s) ²	206 5'-gAC 3'	72 5'-gCT 3'	142 5'-TCA 3'	369 5'-TAC 3'	357 5'-Tgg 3'	49 5'-CAg 3'	103 5'-CCT 3'	165 5'-ACC 3'	165 5'-ACC 3'	368 5'-gTC 3'	272 5'-CTT 3'	355 5'-TCA 3'
3'-primer(s) ³	302 5'-ggT 3'	272 5'-TgA 3'	259 5'-gTT 3'	559 5'-CAg 3'	419 5'-Cgg 3'	204 5'-TCT 3'	272 5'-TgA 3'	292 5'-gTC 3'	193 5'-CgT 3'	559 5'-CAg 3'	353 5'-ggg 3'	544 5'-ggT 3'
			477 5'-gCC 3'	103 5'-CCT 3'	355 5'-TCA 3'		486 5'-ACC 3'	103 5'-CCT 3'		409 5'-ggC 3'	416 5'-CCg 3'	635 5'-ACg 3'
			103 5'-CCT 3'				142 5'-TCT 3'		742 5'-ACA 3'			641 5'-gAT 3'
												704 5'-TgA 3'
Well No.	25	26	27	28	29	30	31	32	33	34	35	36

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

Well No.	37	38	39	40	41	42	43	44	45	46	47	48
Length of spec.	85	300	115	185	110	115	205	110	165	165	160	390
PCR product						155 190 250	255	145 300				
Length of int. pos. control ¹	1070	800	1070	1070	1070	800	1070	1070	800	1070	800	1070
5'-primer(s) ²	420	397	463	167	206	106	106	206	652	652	419	49
	5'-TTA 3'	5'-gCT 3'	5'-TgA 3'	5'-gCT 3'	5'-gAC 3'	5'-CCA 3'	5'-CCg 3'	5'-gAC 3'	5'-CCg 3'	5'-CCA 3'	5'-gTT 3'	5'-CAg 3'
						355	363	355				
						5'-TCA 3'	5'-AgC 3'	5'-TCA 3'				
							363					
							5'-AgC 3'					
3'-primer(s) ³	463	3 rd I	538	311	272	181	272	277	774	774	538	272
	5'-gCT 3'	5'-TAT 3'	5'-CCA 3'	5'-ggT 3'	5'-TgC 3'	5'-gTg 3'	5'-TgA 3'	5'-ggC 3'	5'-ggT 3'	5'-ggT 3'	5'-gTC 3'	5'-TgA 3'
					280	471	577	309				
					5'-gTC 3'	5'-TC 3'	5'-gCA 3'	5'-gTg 3'				
						505		614				
						5'-gCT 3'		5'-CgT 3'				
						564						
						5'-ACC 3'						
Well No.	37	38	39	40	41	42	43	44	45	46	47	48

Well No.	49	50	51	52	53	54	55	56	57	58	59	60
Length of spec.	385	170	65	220	135	160	300	140	150	110	75	90
PCR product			160 185	250	220	190		225	185	160	150	135
										200		
Length of int. pos. control ¹	800	1070	1070	1070	1070	1070	1070	1070	800	1070	1070	800
5'-primer(s) ²	272	206	190	355	106	206	49	115	106	106	352	367
	5'-CTT 3'	5'-gAC 3'	5'-ACT 3'	5'-TCA 3'	5'-CCA 3'	5'-gAC 3'	5'-CAg 3'	5'-ggA 3'	5'-CCA 3'	5'-CCA 3'	5'-ACg 3'	5'-TgC 3'
			199			355		136		419	431	412
			5'-gTg 3'			5'-TCA 3'		5'-gCC 3'		5'-gTC 3'	5'-CgA 3'	5'-ATC 3'
			416					211				
			5'-CCg 3'					5'-AgT 3'				
			533									
			5'-ggg 3'									
3'-primer(s) ³	369	331	311	532	200	325	178	311	214	176	463	463
	5'-CCg 3'	5'-CTA 3'	5'-ggT 3'	5'-CTg 3'	5'-TCA 3'	5'-gTg 3'	5'-gAg 3'	5'-ggT 3'	5'-CCC 3'	5'-ACT 3'	5'-gCT 3'	5'-gCT 3'
	369	343	559	565	286	331	180		250	267		
	5'-CCg 3'	5'-T 3'	5'-CAg 3'	5'-CAg 3'	5'-CTA 3'	5'-CTA 3'	5'-TCC 3'		5'-CCC 3'	5'-ATA 3'		
		343				506				538		
		5'-g 3'				5'-TgT 3'				5'-gTC 3'		
Well No.	49	50	51	52	53	54	55	56	57	58	59	60

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

Well No.	61	62	63	64	65	66	67	68	69	70	71	72
Length of spec.	110	140	55	90	220	90	105	90	95	135	120	220
PCR product	175	260		245		115	200		325		160	
	265											
Length of int. pos. control ¹	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070
5'-primer(s) ²	106	355	397	106	134	387	106	167	106	363	344	477
	5'-CCA 3'	5'-TCA 3'	5'-gCT 3'	5'-CCA 3'	5'-CCT 3'	5'-TCC 3'	5'-CCA 3'	5'-gCT 3'	5'-CCA 3'	5'-AgT 3'	5'-A 3'	5'-gCC 3'
				804		413		463	727	365	383	
				5'-TgA 3'		5'-TgT 3'		5'-TgA 3'	5'-Agg 3'	5'-gAA 3'	5'-ggC 3'	
										375		
										5'-TgA 3'		
3'-primer(s) ³	176	456	412	153	311	463	171	206	160	463	463	3 rd I
	5'-ACT 3'	5'-TCg 3'	5'-gTC 3'	5'-ACT 3'	5'-ggT 3'	5'-gCT 3'	5'-ACC 3'	5'-CCg 3'	5'-gTT 3'	5'-gCT 3'	5'-gCT 3'	5'-TAT 3'
	239	575		916			265	524	916			
	5'-gCT 3'	5'-ggg 3'		5'-gAT 3'			5'-CTC 3'	5'-CAT 3'	5'-gAT 3'			
	332											
	5'-TCC 3'											
Well No.	61	62	63	64	65	66	67	68	69	70	71	72

Well No.	73	74	75	76	77	78	79	80	81	82	83	84
Length of spec.	205	160	90	220	135	310	100	105	80	200	95	130
PCR product			135	375	180						180	
					385							
Length of int. pos. control ¹	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
5'-primer(s) ²	397	106	206	134	320	742	406	106	106	133	652	206
	5'-gCT 3'	5'-CCA 3'	5'-gAC 3'	5'-CCC 3'	5'-CgA 3'	5'-ACA 3'	5'-gCC 3'	5'-CCA 3'	5'-CCA 3'	5'-CCT 3'	5'-CCg 3'	5'-gAC 3'
				673	652							
				5'-CCA 3'	5'-CCg 3'							
3'-primer(s) ³	559	224	253	311	419	916	463	170	146	292	704	289
	5'-CAg 3'	5'-TCT 3'	5'-gTT 3'	5'-ggT 3'	5'-CgA 3'	5'-gAT 3'	5'-gCT 3'	5'-Cgg 3'	5'-CCT 3'	5'-gTA 3'	5'-CCA 3'	5'-AgC 3'
			302	916	746						791	301
			5'-ggT 3'	5'-gAT 3'	5'-gAA 3'						5'-AgA 3'	5'-gCA 3'
					791							
					5'-AgA 3'							
Well No.	73	74	75	76	77	78	79	80	81	82	83	84

Well No.	85	86	87
Length of spec.	415	500	125
PCR product			
Length of int. pos. control ¹	1070	1070	1070
5'-primer(s) ²	25	141	691
	5'-CCC 3'	5'-ATT 3'	5'-TgT 3'
3'-primer(s) ³	272	353	774
	5'-TgA 3'	5'-TgA 3'	5'-ggT 3'
Well No.	85	86	87

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

¹The internal positive control primer pairs amplify segments of the human growth hormone gene. The internal positive control bands are 1070 or 800 base pairs respectively, well distribution as outlined in the table. Well number 1 contains the shorter, 800 bp, internal positive control band. The well distribution of the internal controls can help in orientation of the kit on gel photo, as well as allow for kit identification. In the presence of a specific amplification the intensity of the control band often decreases.

²The nucleotide position matching the specificity-determining 3'-end of the primer is given. Nucleotide numbering as on the www.ebi.ac.uk/imgt/hla web site. The sequence of the 3 terminal nucleotides of the primer is given.

³The nucleotide position 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 web site. The sequence of the 3 terminal nucleotides of the primer is given.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*35 SSP subtyping ²																				
				Well ³																
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
				Prod. No.:	201437901	201205802	201205803	201205804	201205805	201205806	201205807	201205808	201205809	201205810	201205811	201205812	201205813	201205814	201205815	201205816
IHWC cell line ¹		B*																		
1	9001 SA	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
2	9280 LK707	*52:01	*73:01	-	-	-	-	+	+	W	-	-	-	-	-	+	+	-	-	-
3	9011 E4181324	*52:01		-	-	-	-	+	+	-	-	-	-	-	-	+	-	-	-	-
4	9275 GU373	*15:10	*53:01	+	+	+	+	-	+	-	-	-	-	-	-	-	+	-	-	-
5	9009 KAS011	*37:01		-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
6	9353 SM	*39:01	*51:01	+	-	-	-	+	+	-	-	+	-	-	-	-	+	-	-	-
7	9020 QBL	*18:01		+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9025 DEU	*35:01		+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026 YAR	*38:01		-	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-
10	9107 LKT3	*54:01		-	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-
11	9051 PITOUT	*44:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
12	9052 DBB	*57:01		-	+	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-
13	9004 JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-
14	9071 OLGA	*15:01	*15:20	-	+	+	+	-	-	-	-	-	-	-	-	-	+	-	-	-
15	9075 DKB	*40:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
16	9037 SWEIG007	*40:02		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
17	9282 CTM3953540	*08:01	*55:01	-	-	-	-	+	-	-	+	-	-	-	-	+	-	-	-	-
18	9257 32367	*14:01	*56:01	-	-	-	-	+	-	-	+	-	-	-	-	+	-	-	-	-
19	9038 BM16	*18:01		+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059 SLE005	*40:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
21	9064 AMALA	*15:01		-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-	-
22	9056 KOSE	*35:03		+	+	+	-	-	-	-	+	-	-	-	-	-	-	-	-	-
23	9124 IHL	*40:02	*56:02	-	-	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-
24	9035 JBUSH	*38:01		-	-	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-
25	9049 IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
26	9285 WT49	*58:01		-	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191 CH1007	*07:05	*51:01	+	-	-	-	+	+	-	-	-	-	-	-	+	-	-	-	-
28	9320 BEL5GB	*44:02	*44:03	-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
29	9050 MOU	*44:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
30	9021 RSH	*42:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
31	9019 DUCAF	*18:01		+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297 HAG	*41:02		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
33	9098 MT14B	*40:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
34	9104 DHIF	*38:01		-	-	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-
35	9302 SSTO	*44:02		-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
36	9024 KT17	*15:01	*35:01	+	+	+	+	-	-	-	-	-	-	-	-	-	+	-	-	-
37	9065 HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
38	9099 LZL	*15:01		-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-	-
39	9315 CML	*08:01	*27:05	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-
40	9134 WHONP199	*13:02	*46:01	-	-	-	+	+	-	-	+	-	-	-	-	-	+	-	+	-
41	9055 H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
42	9066 TAB089	*46:01		-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-
43	9076 T7526	*46:01		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057 TEM	*38:01		-	-	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-
45	9239 SHJO	*42:01	*50:01	-	-	-	-	+	-	-	-	-	-	-	-	-	+	-	-	-
46	9013 SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
47	9045 TUBO	*51:01		+	-	-	-	+	+	-	-	-	-	-	-	-	+	-	-	-
48	9303 TER-ND	*35:01	*44:03	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*35 SSP subtyping ²																				
				Well ³																
				17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
				Prod. No.:	201320617	201205818	201320619	201205820	201205821	201205822	201205823	201205824	201205825	201205826	201205827	201205828	201205829	201205830	201205831	201205832
	IHWC cell line ¹		B*																	
1	9001 SA		*07:02	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	+	
2	9280 LK707		*52:01	*73:01	-	+	-	-	-	-	-	+	-	-	W	-	+	-	-	
3	9011 E4181324		*52:01		-	+	-	-	-	-	-	+	-	-	-	-	-	-	-	
4	9275 GU373		*15:10	*53:01	-	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
5	9009 KAS011		*37:01		-	+	-	-	+	-	-	+	-	-	-	-	-	-	-	
6	9353 SM		*39:01	*51:01	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	
7	9020 QBL		*18:01		-	+	-	-	+	-	-	-	-	-	-	-	-	-	-	
8	9025 DEU		*35:01		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	
9	9026 YAR		*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	9107 LKT3		*54:01		-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	
11	9051 PITOUT		*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	9052 DBB		*57:01		-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	
13	9004 JESTHOM		*27:05		-	-	-	-	-	-	-	+	+	-	-	-	-	+	-	
14	9071 OLGA		*15:01	*15:20	-	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
15	9075 DKB		*40:01		-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	
16	9037 SWEIG007		*40:02		-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	
17	9282 CTM3953540		*08:01	*55:01	-	-	+	-	-	-	-	-	-	-	-	-	-	-	+	
18	9257 32367		*14:01	*56:01	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	
19	9038 BM16		*18:01		-	+	-	-	+	-	-	-	-	-	-	-	-	-	-	
20	9059 SLE005		*40:01		-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	
21	9064 AMALA		*15:01		-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	
22	9056 KOSE		*35:03		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	
23	9124 IHL		*40:02	*56:02	-	-	+	+	-	-	+	-	+	-	-	+	-	-	-	
24	9035 JBUSH		*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	9049 IBW9		*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	9285 WT49		*58:01		-	-	-	-	-	-	+	+	-	-	-	-	-	-	-	
27	9191 CH1007		*07:05	*51:01	-	-	-	+	-	-	-	+	+	-	-	-	-	-	+	
28	9320 BEL5GB		*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	9050 MOU		*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	9021 RSH		*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
31	9019 DUCAF		*18:01		-	+	-	-	+	-	-	-	-	-	-	-	-	-	-	
32	9297 HAG		*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	9098 MT14B		*40:01		-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	
34	9104 DHIF		*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	9302 SSTO		*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	9024 KT17		*15:01	*35:01	-	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
37	9065 HHKB		*07:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	+	
38	9099 LZL		*15:01		-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	
39	9315 CML		*08:01	*27:05	-	-	+	-	-	-	-	+	+	-	-	-	-	-	+	
40	9134 WHONP199		*13:02	*46:01	-	-	+	+	-	-	+	-	-	-	+	-	+	-	+	
41	9055 H0301		*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42	9066 TAB089		*46:01		-	-	+	-	-	-	-	-	-	-	+	-	-	-	W	
43	9076 T7526		*46:01		-	-	+	-	-	-	-	-	-	-	+	-	-	-	W	
44	9057 TEM		*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	9239 SHJO		*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
46	9013 SCHU		*07:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	+	
47	9045 TUBO		*51:01		-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	
48	9303 TER-ND		*35:01	*44:03	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET																					
HLA-B*35 SSP subtyping ²																					
					Well ³																
					33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
					Prod. No.:	201205833	201437934	201205835	201320636	201205837	201205838	201205839	201205840	201437941	201205842	201205843	201205844	201205845	201320646	201205847	201205848
IHCW cell line ¹		B*																			
1	9001 SA	*07:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280 LK707	*52:01	*73:01		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
3	9011 E4181324	*52:01			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
4	9275 GU373	*15:10	*53:01		-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	+
5	9009 KAS011	*37:01			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
6	9353 SM	*39:01	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	+
7	9020 QBL	*18:01			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
8	9025 DEU	*35:01			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+
9	9026 YAR	*38:01			-	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-
10	9107 LKT3	*54:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
11	9051 PITOUT	*44:03			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
12	9052 DBB	*57:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
13	9004 JESTHOM	*27:05			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
14	9071 OLGA	*15:01	*15:20		-	-	-	-	-	-	+	-	-	-	-	-	-	+	+	-	-
15	9075 DKB	*40:01			-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-
16	9037 SWEIG007	*40:02			-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-
17	9282 CTM3953540	*08:01	*55:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-
18	9257 32367	*14:01	*56:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-
19	9038 BM16	*18:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
20	9059 SLE005	*40:01			-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-
21	9064 AMALA	*15:01			-	-	-	-	-	-	+	-	-	-	-	-	-	-	+	-	-
22	9056 KOSE	*35:03			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+
23	9124 IHL	*40:02	*56:02		-	-	-	-	+	-	-	+	-	-	-	-	-	-	+	-	-
24	9035 JBUSH	*38:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
25	9049 IBW9	*14:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
26	9285 WT49	*58:01			-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
27	9191 CH1007	*07:05	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	+
28	9320 BEL5GB	*44:02	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
29	9050 MOU	*44:03			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
30	9021 RSH	*42:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
31	9019 DUCAF	*18:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
32	9297 HAG	*41:02			-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-
33	9098 MT14B	*40:01			-	-	-	-	-	-	-	+	-	-	-	-	-	-	+	-	-
34	9104 DHIF	*38:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
35	9302 SSTO	*44:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
36	9024 KT17	*15:01	*35:01		-	-	-	-	-	-	+	-	-	-	-	-	-	+	+	-	+
37	9065 HHKB	*07:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
38	9099 LZL	*15:01			-	-	-	-	-	-	+	-	-	-	-	-	-	-	+	-	-
39	9315 CML	*08:01	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
40	9134 WHONP199	*13:02	*46:01		-	-	-	-	+	-	+	-	-	-	-	-	-	-	+	-	-
41	9055 H0301	*14:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
42	9066 TAB089	*46:01			-	-	-	-	-	-	+	-	-	-	-	-	-	-	+	-	-
43	9076 T7526	*46:01			-	-	-	-	-	-	+	-	-	-	-	-	-	-	+	-	-
44	9057 TEM	*38:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
45	9239 SHJO	*42:01	*50:01		-	-	-	-	+	-	+	-	-	-	-	-	-	-	+	-	-
46	9013 SCHU	*07:02			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
47	9045 TUBO	*51:01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	W
48	9303 TER-ND	*35:01	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	+

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*35 SSP subtyping ²																				
				Well ³																
				49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
				Prod. No.:	201320649	201320650	201437951	201205852	201205853	201320654	201205855	201205856	201205857	201205858	201205859	201205860	201205861	201205862	201205863	201205864
IHCW cell line ¹		B*																		
1	9001	SA	*07:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280	LK707	*52:01	*73:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9011	E4181324	*52:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275	GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*37:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353	SM	*39:01	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020	QBL	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9025	DEU	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045	TUBO	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*35 SSP subtyping ²																				
				Well ³																
				65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
				Prod. No.:	201205865	201205866	201205867	201205868	201205869	201320670	201205871	201205872	201205873	201205874	201205875	201205876	201437977	201205878	201205879	201437980
IHCW cell line ¹		B*																		
1	9001 SA	*07:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
2	9280 LK707	*52:01	*73:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9011 E4181324	*52:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275 GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009 KAS011	*37:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353 SM	*39:01	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020 QBL	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9025 DEU	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026 YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107 LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051 PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052 DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004 JESTHOM	*27:05		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
14	9071 OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075 DKB	*40:01		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
16	9037 SWEIG007	*40:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
17	9282 CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257 32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038 BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059 SLE005	*40:01		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
21	9064 AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056 KOSE	*35:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124 IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
24	9035 JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049 IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285 WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191 CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
28	9320 BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050 MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021 RSH	*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019 DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297 HAG	*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098 MT14B	*40:01		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
34	9104 DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302 SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024 KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065 HHKB	*07:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
38	9099 LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315 CML	*08:01	*27:05	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
40	9134 WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055 H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066 TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076 T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057 TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239 SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013 SCHU	*07:02		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
47	9045 TUBO	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303 TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

CELL LINE VALIDATION SHEET					HLA-B*35 SSP subtyping²							
					81	82	83	84	85	86	87	
					Prod. No.:	201437981	201437982	201437983	201437984	201320685	201437986	201437987
IHWC cell line¹			B*									
1	9001	SA	*07:02		-	-	-	-	-	-	-	-
2	9280	LK707	*52:01	*73:01	-	-	-	-	-	-	-	-
3	9011	E4181324	*52:01		-	-	-	-	-	-	-	-
4	9275	GU373	*15:10	*53:01	-	-	-	-	-	-	-	-
5	9009	KAS011	*37:01		-	-	-	-	-	-	-	-
6	9353	SM	*39:01	*51:01	-	-	-	-	-	-	-	-
7	9020	QBL	*18:01		-	-	-	-	-	-	-	-
8	9025	DEU	*35:01		-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-
13	9004	JESTHOM	*27:05		-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	-	-	-	-	-	-	-	-
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-
47	9045	TUBO	*51:01		-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: 02X

Lot-specific information

¹The provided cell line HLA specificities are retrieved from the <http://www.ihwg.org/hla> web site. The specificity of an individual cell line may thus be subject to change.

²The specificity of each primer solution in the kit has been tested against 48 well characterized cell line DNAs and where applicable, additional cell line DNAs.

³The C*07:04 allele is weakly amplified by primer mix 47 in the 9045 (TUBO) cell line.

No DNAs carrying the alleles to be amplified by primer solutions 10, 35, 36, 41 to 44, 50 to 71, 74, 76 to 84 and 86 to 87 were available.

The specificities of the primers in primer solutions 10, 35, 36, 41, 43, 44, 50, 58, 61, 63, 64, 68, 69, 77 and 86 were tested by separately adding one or two additional 5'-primers, respectively one or two additional 3'-primers.

In primer solutions 42, 52 to 55, 57, 62, 67, 74, 80, 81 and 83 to 84 it was only possible to test the 5'-primers, the 3'-primers were not possible to test.

In primer solutions 51, 56, 59, 60, 65, 66, 70, 71, 76, 78, 79, 82 and 87 it was only possible to test the 3'-primers, the 5'-primers were not possible to test.

In primer solutions 10, 16, 33 to 36, 43, 64, 69 and 77 one, two or three of the 5'-primers were not possible to test, and in primer solutions 1, 10, 12, 41, 43, 44, 49, 50, 58, 61, 64, 69, 75 and 77 one or two of the 3'-primers were not possible to test.

Additional primers in primer solutions 3, 22, 26, 31 and 33 were tested by separately adding one 5'-primer and/or one 3'-primer.

101.522-24/03– including *Taq* pol., IFU-01
101.522-24u/03u – without *Taq* pol., IFU-02

Visit www.olerup-ssp.com for
“Instructions for Use” (IFU)

Lot No.: **02X**

Lot-specific information

ADDRESSES:

Manufacturer:

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

Tel: +46-8-717 88 27

Fax: +46-8-717 88 18

E-mail: info-ssp@olerup.com

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

Distributed by:

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

Tel: +43-1-710 15 00

Fax: +43-1-710 15 00 10

E-mail: support-at@olerup.com

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

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

Tel: 1-877-OLERUP1

Fax: 610-344-7989

E-mail: info.us@olerup.com

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

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