

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

Olerup SSP® HLA-B*27

Product number:	101.521-24/04 – including <i>Taq</i> pol. 101. 521-24u/04u – without <i>Taq</i> pol.
Lot number:	10N
Expiry date:	2014-July-01
Number of tests:	24 test – Product No. 101.521-24/24u 4 tests – Product No. 101.521-04/04u
Number of wells per test:	32
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. 10N.

CHANGES COMPARED TO THE PREVIOUS *OLERUP SSP*® HLA-B*27 Lot

The HLA-B*27 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup SSP*® HLA-B*27 lot was made (Lot No. 22L).

The HLA-B*27 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

The Lot-specific information for HLA-B*27 including and without *Taq* polymerase is now described in one common Product Insert.

¹As described in section Uniquely Identified Alleles.

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

Well	5'-primer	3'-primer	rationale
11	Modified	-	Increased specificity of primer pair.
12	Added	-	5'-primer added for the B*27:74 allele.
14	-	Modified	Increased specificity of primer pair.
29	Added	-	5'-primer added for the B*27:74 allele.
31	Modified	-	Increased specificity of primer pair.
32	Added	Added	Primer pair added for the B*27:85 allele.

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PRODUCT DESCRIPTION

HLA-B*27 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*27:01 to B*27:86 alleles.

PLATE LAYOUT

Each test consists of 32 PCR reactions in a 32 well cut PCR plate.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32

The 32 well cut PCR plate is marked with 'HLA-B*27' in silver/gray ink.

Well No. 1 is marked with the Lot No. '22L'.

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.

Please note: When removing each 32 well PCR plate, make sure that the remaining plates stay covered. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

INTERPRETATION

The interpretation of HLA-B*27 SSP subtypings will be influenced by several B*07, five B*08, most B*13, several B*15, the B*18, eight B*35, the B*37, two B*38, eleven B*39, most B*40, the B*41:19, the B*42:11, several B*44, the B*46:27, the B*47, most B*48, nine B*51, three B*52, four B*55, three B*57, the B*58:27, the B*81 and the B*82 alleles when present on the other haplotype. In addition, the A*23:23 will be amplified by primer mix 25, the A*24:185N will be amplified by primer mix 31, the C*02:07 will be amplified by primer mix 32, the C*02:23 and C*02:36 will be amplified by primer mix 14, the C*03:34, C*15:42 and C*17:01:07 alleles will be amplified by primer mix 16 and the C*07:05 allele will be amplified by primer mixes 10 and 22.

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*27 alleles, i.e. **B*27:01 to B*27:86**, recognized by the HLA Nomenclature Committee in October 2011¹ will be amplified by the primers in the HLA-B*27 subtyping kit².

The HLA-B*27 kit enables separation of the confirmed HLA-B*27 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if

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it has been sequenced by more than a single laboratory or from multiple sources. Current allele confirmation status for HLA-B*27 alleles is listed below.

The HLA- B*27 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 HLA-B*27 subtyping kit cannot distinguish the following silent mutations: B*27:02:01-27:02:02, the B*27:04:02-27:04:03 or the B*27:05:02-27:05:03 and 27:05:05-27:05:17.

¹HLA-B alleles listed on the IMGT/HLA web page 2011-October-10, release 3.6.0, www.ebi.ac.uk/imgt/hla.

²The nucleotide sequence of the B*27:07:02 allele is not yet retrievable

ALLELE CONFIRMATION STATUS

Allele	Status ¹	Allele	Status ¹	Allele	Status ¹	Allele	Status ¹
B*27:01	Confirmed	B*27:13	Unconfirmed	B*27:44	Unconfirmed	B*27:74	Confirmed
B*27:02:01	Confirmed	B*27:14	Confirmed	B*27:45	Unconfirmed	B*27:75	Unconfirmed
B*27:02:02	Unconfirmed	B*27:15	Confirmed	B*27:46	Confirmed	B*27:76	Unconfirmed
B*27:03	Confirmed	B*27:16	Unconfirmed	B*27:47	Confirmed	B*27:77	Unconfirmed
B*27:04:01	Confirmed	B*27:17	Confirmed	B*27:48	Confirmed	B*27:78	Confirmed
B*27:04:02	Unconfirmed	B*27:18	Unconfirmed	B*27:49	Confirmed	B*27:79	Unconfirmed
B*27:04:03	Confirmed	B*27:19	Unconfirmed	B*27:50	Confirmed	B*27:80	Unconfirmed
B*27:05:02	Confirmed	B*27:20	Confirmed	B*27:51	Confirmed	B*27:81	Unconfirmed
B*27:05:03	Confirmed	B*27:21	Unconfirmed	B*27:52	Unconfirmed	B*27:82	Unconfirmed
B*27:05:04	Unconfirmed	B*27:23	Confirmed	B*27:53	Confirmed	B*27:83	Unconfirmed
B*27:05:05	Confirmed	B*27:24	Confirmed	B*27:54	Unconfirmed	B*27:84	Unconfirmed
B*27:05:06	Unconfirmed	B*27:25	Confirmed	B*27:55	Confirmed	B*27:85	Confirmed
B*27:05:07	Confirmed	B*27:26	Unconfirmed	B*27:56	Unconfirmed	B*27:86	Unconfirmed
B*27:05:08	Unconfirmed	B*27:27	Confirmed	B*27:57	Unconfirmed		
B*27:05:09	Confirmed	B*27:28	Unconfirmed	B*27:58	Unconfirmed		
B*27:05:10	Confirmed	B*27:29	Unconfirmed	B*27:59N	Confirmed		
B*27:05:11	Unconfirmed	B*27:30	Confirmed	B*27:60	Confirmed		
B*27:05:12	Unconfirmed	B*27:31	Unconfirmed	B*27:61	Confirmed		
B*27:05:13	Unconfirmed	B*27:32	Unconfirmed	B*27:62	Unconfirmed		
B*27:05:14	Unconfirmed	B*27:33	Unconfirmed	B*27:63	Unconfirmed		
B*27:05:15	Confirmed	B*27:34	Unconfirmed	B*27:64N	Unconfirmed		
B*27:05:16	Unconfirmed	B*27:35	Unconfirmed	B*27:65N	Unconfirmed		
B*27:05:17	Unconfirmed	B*27:36	Confirmed	B*27:66N	Unconfirmed		
B*27:06	Confirmed	B*27:37	Unconfirmed	B*27:67	Unconfirmed		
B*27:07	Confirmed	B*27:38	Unconfirmed	B*27:68	Unconfirmed		
B*27:08	Confirmed	B*27:39	Unconfirmed	B*27:69	Unconfirmed		
B*27:09	Confirmed	B*27:40	Unconfirmed	B*27:70	Confirmed		
B*27:10	Confirmed	B*27:41	Unconfirmed	B*27:71	Unconfirmed		
B*27:11	Unconfirmed	B*27:42	Confirmed	B*27:72	Unconfirmed		
B*27:12	Confirmed	B*27:43	Unconfirmed	B*27:73	Unconfirmed		

¹Allele status “confirmed” or “unconfirmed” as listed on the IMGT/HLA web page 2011-October-10, release 3.6.0, www.ebi.ac.uk/imgt/hla.

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RESOLUTION IN HOMO- AND HETEROZYGOSES

A total of 104 alleles generate 78 amplification patterns that can be combined in 3081 homozygous and heterozygous combinations. 1551 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products were not considered in these calculations.

+-----+	+-----+	+-----+	+-----+	*27:18, *27:41 = *27:18, *27:60
+-----+	+-----+	+-----+	+-----+	*27:17, *27:18 = *27:18, *27:34
+-----+	+-----+	+-----+	+-----+	*27:14, *27:18 = *27:18, *27:51
+-----+	+-----+	+-----+	+-----+	*27:18, *27:38 = *27:18, *27:50 = *27:18, *27:76
+-----+	+-----+	+-----+	+-----+	*27:09, *27:18 = *27:18, *27:45
+-----+	+-----+	+-----+	+-----+	*27:18, *27:28 = *27:18, *27:55 = *27:18, *27:71
+-----+	+-----+	+-----+	+-----+	*27:18, *27:54 = *27:18, *27:67
+-----+	+-----+	+-----+	+-----+	*27:18, *27:59N = *27:18, *27:73
+-----+	+-----+	+-----+	+-----+	*27:18, *27:70 = *27:18, *27:85
+-----+	+-----+	+-----+	+-----+	*27:05:02, *27:18 = *27:10, *27:18 = *27:18, *27:29 = *27:29, *27:40
+-----+	+-----+	+-----+	+-----+	*27:41, *27:44 = *27:44, *27:60
+-----+	+-----+	+-----+	+-----+	*27:17, *27:44 = *27:34, *27:44
+-----+	+-----+	+-----+	+-----+	*27:08, *27:29 = *27:29, *27:44
+-----+	+-----+	+-----+	+-----+	*27:14, *27:44 = *27:44, *27:51
+-----+	+-----+	+-----+	+-----+	*27:38, *27:44 = *27:44, *27:50 = *27:44, *27:76
+-----+	+-----+	+-----+	+-----+	*27:09, *27:44 = *27:44, *27:45
+-----+	+-----+	+-----+	+-----+	*27:44, *27:55 = *27:44, *27:71
+-----+	+-----+	+-----+	+-----+	*27:44, *27:70 = *27:44, *27:85
+-----+	+-----+	+-----+	+-----+	*27:23, *27:41 = *27:23, *27:60
+-----+	+-----+	+-----+	+-----+	*27:17, *27:23 = *27:23, *27:34
+-----+	+-----+	+-----+	+-----+	*27:21, *27:29 = *27:23, *27:29 = *27:29, *27:61
+-----+	+-----+	+-----+	+-----+	*27:14, *27:23 = *27:23, *27:51
+-----+	+-----+	+-----+	+-----+	*27:23, *27:38 = *27:23, *27:50 = *27:23, *27:76
+-----+	+-----+	+-----+	+-----+	*27:09, *27:23 = *27:23, *27:45
+-----+	+-----+	+-----+	+-----+	*27:23, *27:55 = *27:23, *27:71
+-----+	+-----+	+-----+	+-----+	*27:23, *27:70 = *27:23, *27:85
+-----+	+-----+	+-----+	+-----+	*27:05:02, *27:23 = *27:05:04, *27:23
+-----+	+-----+	+-----+	+-----+	*27:29, *27:41 = *27:29, *27:60
+-----+	+-----+	+-----+	+-----+	*27:01, *27:41 = *27:01, *27:60
+-----+	+-----+	+-----+	+-----+	*27:17, *27:29 = *27:29, *27:34
+-----+	+-----+	+-----+	+-----+	*27:01, *27:17 = *27:01, *27:34
+-----+	+-----+	+-----+	+-----+	*27:14, *27:29 = *27:29, *27:51
+-----+	+-----+	+-----+	+-----+	*27:29, *27:38 = *27:29, *27:50 = *27:29, *27:76
+-----+	+-----+	+-----+	+-----+	*27:09, *27:29 = *27:29, *27:45
+-----+	+-----+	+-----+	+-----+	*27:28, *27:29 = *27:29, *27:37 = *27:29, *27:55 = *27:29, *27:71
+-----+	+-----+	+-----+	+-----+	*27:29, *27:59N = *27:29, *27:73
+-----+	+-----+	+-----+	+-----+	*27:29, *27:70 = *27:29, *27:85
+-----+	+-----+	+-----+	+-----+	*27:01, *27:29 = *27:05:02, *27:29 = *27:05:04, *27:29 = *27:29, *27:29
+-----+	+-----+	+-----+	+-----+	*27:01, *27:14 = *27:01, *27:51
+-----+	+-----+	+-----+	+-----+	*27:01, *27:38 = *27:01, *27:50 = *27:01, *27:76
+-----+	+-----+	+-----+	+-----+	*27:01, *27:09 = *27:01, *27:45
+-----+	+-----+	+-----+	+-----+	*27:01, *27:55 = *27:01, *27:71
+-----+	+-----+	+-----+	+-----+	*27:01, *27:70 = *27:01, *27:85
+-----+	+-----+	+-----+	+-----+	*27:01, *27:05:02 = *27:01, *27:05:04
+-----+	+-----+	+-----+	+-----+	*27:11, *27:18 = *27:18, *27:20
+-----+	+-----+	+-----+	+-----+	*27:15, *27:18 = *27:18, *27:31 = *27:18, *27:37
+-----+	+-----+	+-----+	+-----+	*27:01, *27:18 = *27:18, *27:21 = *27:18, *27:23 = *27:18, *27:61 = *27:18, *27:79
+-----+	+-----+	+-----+	+-----+	*27:01, *27:40 = *27:23, *27:40 = *27:44, *27:79
+-----+	+-----+	+-----+	+-----+	*27:01, *27:33 = *27:11, *27:44 = *27:23, *27:33
+-----+	+-----+	+-----+	+-----+	*27:01, *27:12 = *27:12, *27:23
+-----+	+-----+	+-----+	+-----+	*27:01, *27:26 = *27:23, *27:26 = *27:31, *27:44 = *27:37, *27:44

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+-----++	-----	-----+-	-----	*27:01, *27:08 = *27:01, *27:44 = *27:08, *27:23 = *27:21, *27:44 = *27:23, *27:42 = *27:23, *27:44 = *27:44, *27:61
+-----+-	+-----	-----+-	-----	*27:01, *27:06 = *27:06, *27:23
+-----+-	+-----	-----+-	-----	*27:01, *27:20 = *27:20, *27:23
+-----+-	+-----	-----+-	-----	*27:01, *27:68 = *27:23, *27:68
+-----+-	+-----	-----+-	-----	*27:01, *27:25 = *27:23, *27:25
+-----+-	+-----	-----+-	-----	*27:01, *27:63 = *27:23, *27:63
+-----+-	+-----	-----+-	-----	*27:01, *27:69 = *27:23, *27:69
+-----+-	+-----	-----+-	-----	*27:01, *27:66N = *27:23, *27:66N
+-----+-	+-----	-----+-	-----	*27:01, *27:04:01 = *27:04:01, *27:23
+-----+-	+-----	-----+-	-----	*27:01, *27:15 = *27:15, *27:23
+-----+-	+-----	-----+-	-----	*27:01, *27:04:02 = *27:01, *27:79 = *27:23, *27:79
+-----+-	+-----	-----+-	-----	*27:01, *27:24 = *27:23, *27:24
+-----+-	+-----	-----+-	-----	*27:01, *27:11 = *27:11, *27:23
+-----+-	+-----	-----+-	-----	*27:01, *27:36 = *27:23, *27:36
+-----+-	+-----	-----+-	-----	*27:01, *27:31 = *27:23, *27:31 = *27:23, *27:37
+-----+-	+-----	-----+-	-----	*27:01, *27:21 = *27:01, *27:23 = *27:01, *27:61 = *27:21, *27:23 = *27:23, *27:23 = *27:23, *27:61
+-----+-	+-----	-----+-	-----	*27:08, *27:18 = *27:18, *27:18 = *27:18, *27:40 = *27:18, *27:42 = *27:18, *27:44
+-----+-	+-----	-----+-	-----	*27:08, *27:44 = *27:42, *27:44 = *27:44, *27:44
+-----+-	+-----	-----+-	-----	*27:41, *27:53 = *27:53, *27:60
+-----+-	+-----	-----+-	-----	*27:41, *27:62 = *27:60, *27:62
+-----+-	+-----	-----+-	-----	*27:41, *27:57 = *27:57, *27:60
+-----+-	+-----	-----+-	-----	*27:41, *27:65N = *27:60, *27:65N
+-----+-	+-----	-----+-	-----	*27:02:01, *27:41 = *27:02:01, *27:60
+-----+-	+-----	-----+-	-----	*27:17, *27:53 = *27:34, *27:53
+-----+-	+-----	-----+-	-----	*27:16, *27:30 = *27:19, *27:53
+-----+-	+-----	-----+-	-----	*27:14, *27:53 = *27:51, *27:53
+-----+-	+-----	-----+-	-----	*27:02:01, *27:47 = *27:38, *27:53 = *27:47, *27:53 = *27:50, *27:53 = *27:53, *27:76
+-----+-	+-----	-----+-	-----	*27:09, *27:53 = *27:45, *27:53
+-----+-	+-----	-----+-	-----	*27:16, *27:62 = *27:28, *27:53
+-----+-	+-----	-----+-	-----	*27:53, *27:55 = *27:53, *27:71
+-----+-	+-----	-----+-	-----	*27:16, *27:57 = *27:53, *27:58
+-----+-	+-----	-----+-	-----	*27:16, *27:65N = *27:53, *27:56
+-----+-	+-----	-----+-	-----	*27:53, *27:70 = *27:53, *27:85
+-----+-	+-----	-----+-	-----	*27:02:01, *27:16 = *27:05:02, *27:53 = *27:05:04, *27:53 = *27:16, *27:53
+-----+-	+-----	-----+-	-----	*27:17, *27:57 = *27:34, *27:57
+-----+-	+-----	-----+-	-----	*27:17, *27:65N = *27:34, *27:65N
+-----+-	+-----	-----+-	-----	*27:02:01, *27:17 = *27:02:01, *27:34
+-----+-	+-----	-----+-	-----	*27:19, *27:62 = *27:28, *27:30
+-----+-	+-----	-----+-	-----	*27:19, *27:57 = *27:30, *27:58
+-----+-	+-----	-----+-	-----	*27:19, *27:65N = *27:30, *27:56
+-----+-	+-----	-----+-	-----	*27:02:01, *27:19 = *27:05:02, *27:30 = *27:05:04, *27:30
+-----+-	+-----	-----+-	-----	*27:14, *27:57 = *27:51, *27:57
+-----+-	+-----	-----+-	-----	*27:14, *27:65N = *27:51, *27:65N
+-----+-	+-----	-----+-	-----	*27:02:01, *27:14 = *27:02:01, *27:51
+-----+-	+-----	-----+-	-----	*27:38, *27:62 = *27:62, *27:76
+-----+-	+-----	-----+-	-----	*27:38, *27:57 = *27:50, *27:57 = *27:57, *27:76
+-----+-	+-----	-----+-	-----	*27:38, *27:65N = *27:50, *27:65N = *27:65N, *27:76
+-----+-	+-----	-----+-	-----	*27:02:01, *27:38 = *27:02:01, *27:50 = *27:02:01, *27:76
+-----+-	+-----	-----+-	-----	*27:09, *27:62 = *27:45, *27:62
+-----+-	+-----	-----+-	-----	*27:09, *27:57 = *27:45, *27:57
+-----+-	+-----	-----+-	-----	*27:09, *27:65N = *27:45, *27:65N
+-----+-	+-----	-----+-	-----	*27:02:01, *27:09 = *27:02:01, *27:45
+-----+-	+-----	-----+-	-----	*27:28, *27:57 = *27:58, *27:62
+-----+-	+-----	-----+-	-----	*27:28, *27:65N = *27:56, *27:62
+-----+-	+-----	-----+-	-----	*27:02:01, *27:28 = *27:05:02, *27:62 = *27:05:04, *27:62 = *27:55, *27:62
+-----+-	+-----	-----+-	-----	*27:55, *27:57 = *27:57, *27:71
+-----+-	+-----	-----+-	-----	*27:55, *27:65N = *27:65N, *27:71
+-----+-	+-----	-----+-	-----	*27:02:01, *27:55 = *27:02:01, *27:71

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-+--+--+	-----	-----++	-----	*27:28, *27:62 = *27:62, *27:71
-+--+--+	-----	-----+	-+--++	*27:56, *27:57 = *27:58, *27:65N
-+--+--+	-----	-----+	-+--++	*27:57, *27:70 = *27:57, *27:85
-+--+--+	-----	-----+	-+--++	*27:02:01, *27:58 = *27:05:02, *27:57 = *27:05:04, *27:57 = *27:57, *27:58
-+--+--+	-----	-----+	-+--++	*27:65N, *27:70 = *27:65N, *27:85
-+--+--+	-----	-----+	-+--++	*27:02:01, *27:56 = *27:05:02, *27:65N = *27:05:04, *27:65N = *27:56, *27:65N
-+--+--+	-----	-----+	-+--++	*27:02:01, *27:70 = *27:02:01, *27:85
-+--+--+	-----	-----+	-+--++	*27:02:01, *27:05:02 = *27:02:01, *27:05:04
-+--+---	-----	-----+	-----	*27:02:01, *27:12 = *27:08, *27:53 = *27:12, *27:53
-+--+---	-----	-----++	-----	*27:08, *27:62 = *27:26, *27:62
-+--+--+	+-----+	-----+	-+-----	*27:30, *27:66N = *27:57, *27:68
-+--+--+	+-----+	-----+	-----	*27:02:01, *27:68 = *27:04:01, *27:30 = *27:30, *27:68
-+--+--+	+-----	-----+	-+-----	*27:02:01, *27:66N = *27:04:01, *27:57 = *27:57, *27:66N
-+--+--+	+-----	-----+	-----	*27:02:01, *27:04:02 = *27:02:01, *27:79
-+--+--+	-----	-----+	-----	*27:21, *27:53 = *27:53, *27:61
-+--+---	-----	-----++	-----	*27:31, *27:62 = *27:61, *27:62
-+--+--+	-----	-----+	-+-----	*27:21, *27:57 = *27:57, *27:61
-+--+--+	-----	-----+	-+-----	*27:21, *27:65N = *27:61, *27:65N
-+--+--+	-----	-----+	-----	*27:02:01, *27:21 = *27:02:01, *27:61
-+--+--+	-----	-----+	-----	*27:02:01, *27:53 = *27:53, *27:53
-+--+--+	-----	-----++	-----	*27:02:01, *27:62 = *27:37, *27:62
-+--+--+	-----	-----+	-+-----	*27:02:01, *27:57 = *27:57, *27:57
-+--+---	-----	-----+	-+-----	*27:02:01, *27:65N = *27:65N, *27:65N
-+--+--+	+-----	-----+	-----	*27:03, *27:04:02 = *27:03, *27:79
-+--+--+	-----	-----+	-----	*27:03, *27:21 = *27:03, *27:61
-+--+--+	+-----	-----+	-----	*27:03, *27:41 = *27:03, *27:60
-+--+--+	-----	-----+	-----	*27:03, *27:17 = *27:03, *27:34
-+--+--+	-----	+-----	-----	*27:03, *27:14 = *27:03, *27:51
-+--+--+	-----	-+-----	-----	*27:03, *27:38 = *27:03, *27:50 = *27:03, *27:76
-+--+--+	-----	-----+	-----	*27:03, *27:09 = *27:03, *27:45
-+--+--+	-----	-----+	-----	*27:03, *27:37 = *27:03, *27:55 = *27:03, *27:71
-+--+--+	-----	-----+	-+-----	*27:03, *27:70 = *27:03, *27:85
-+--+--+	-----	-----+	-----	*27:03, *27:03 = *27:03, *27:05:02 = *27:03, *27:05:04
-+-----	+-----	-----+	-----	*27:40, *27:41 = *27:40, *27:60
-+-----	+-----	-----+	-----	*27:10, *27:33 = *27:27, *27:40
-+-----	+-----	-----+	-----	*27:10, *27:12 = *27:16, *27:40
-+-----	+-----	-----+	-----	*27:17, *27:40 = *27:34, *27:40
-+-----	+-----	+-----	-----	*27:14, *27:40 = *27:40, *27:51
-+-----	+-----	-+-----	-----	*27:38, *27:40 = *27:40, *27:50 = *27:40, *27:76
-+-----	+-----	-+-----	-----	*27:09, *27:40 = *27:40, *27:45
-+-----	+-----	-----+	-----	*27:10, *27:26 = *27:40, *27:55 = *27:40, *27:71
-+-----	+-----	-----+	-+-----	*27:08, *27:54 = *27:40, *27:54 = *27:40, *27:67
-+-----	+-----	-----+	-+-----	*27:40, *27:70 = *27:40, *27:85
-+-----	+-----	-----+	-----	*27:05:02, *27:40 = *27:08, *27:10 = *27:10, *27:40
-+-----	+-----	-----+	-----	*27:12, *27:41 = *27:12, *27:60
-+-----	+-----	-----+	-----	*27:26, *27:41 = *27:26, *27:60
-+-----	+-----	-----+	-----	*27:08, *27:41 = *27:08, *27:60
-+-----	+-----	-----+	-----	*27:08, *27:43 = *27:13, *27:33
-+-----	+-----	-----+	-----	*27:12, *27:27 = *27:16, *27:33
-+-----	+-----	-----+	-----	*27:26, *27:27 = *27:33, *27:55
-+-----	+-----	-----+	-----	*27:05:02, *27:33 = *27:08, *27:27
-+-----	+-----	-----+	-----	*27:12, *27:17 = *27:12, *27:34
-+-----	+-----	+-----	-----	*27:12, *27:14 = *27:12, *27:51
-+-----	+-----	-+-----	-----	*27:08, *27:47 = *27:12, *27:38 = *27:12, *27:47 = *27:12, *27:50 = *27:12, *27:76
-+-----	+-----	-+-----	-----	*27:09, *27:12 = *27:12, *27:45
-+-----	+-----	-+-----	-----	*27:12, *27:55 = *27:12, *27:71 = *27:16, *27:26
-+-----	+-----	-+-----	-+-----	*27:12, *27:70 = *27:12, *27:85
-+-----	+-----	-+-----	-----	*27:05:02, *27:12 = *27:08, *27:16 = *27:12, *27:16
-+-----	+-----	-+-----	-----	*27:17, *27:26 = *27:26, *27:34
-+-----	+-----	-+-----	-----	*27:08, *27:17 = *27:08, *27:34
-+-----	+-----	+-----	-----	*27:14, *27:26 = *27:26, *27:51

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
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Lot-specific information

-----+	-----	-----	*27:08, *27:14 = *27:08, *27:51
-----+	-----	-----	*27:26, *27:38 = *27:26, *27:50 = *27:26, *27:76
-----+	-----	-----	*27:08, *27:38 = *27:08, *27:50 = *27:08, *27:76
-----+	-----	-----	*27:09, *27:26 = *27:26, *27:45
-----+	-----	-----	*27:08, *27:09 = *27:08, *27:45
-----+	-----	-----	*27:08, *27:28 = *27:26, *27:28
-----+	-----	-----	*27:26, *27:70 = *27:26, *27:85
-----+	-----	-----	*27:05:02, *27:26 = *27:08, *27:55 = *27:08, *27:71 = *27:26, *27:55 = *27:26, *27:71
-----+	-----	-----	*27:08, *27:70 = *27:08, *27:85
-----+	-----	-----	*27:41, *27:68 = *27:60, *27:68
-----+	-----	-----	*27:25, *27:35 = *27:25, *27:41 = *27:25, *27:60 = *27:35, *27:69
-----+	-----	-----	*27:04:01, *27:35 = *27:06, *27:38 = *27:06, *27:50
-----+	-----	-----	*27:35, *27:63 = *27:35, *27:79 = *27:41, *27:63 = *27:60, *27:63
-----+	-----	-----	*27:06, *27:45 = *27:41, *27:69 = *27:60, *27:69
-----+	-----	-----	*27:06, *27:55 = *27:06, *27:71
-----+	-----	-----	*27:06, *27:58 = *27:41, *27:66N = *27:60, *27:66N
-----+	-----	-----	*27:06, *27:54 = *27:06, *27:67
-----+	-----	-----	*27:04:01, *27:41 = *27:04:01, *27:60 = *27:05:02, *27:06 = *27:05:04, *27:06 = *27:06, *27:10 = *27:06, *27:39 = *27:06, *27:60
-----+	-----	-----	*27:15, *27:41 = *27:15, *27:60
-----+	-----	-----	*27:41, *27:79 = *27:60, *27:79
-----+	-----	-----	*27:04:02, *27:41 = *27:04:02, *27:60
-----+	-----	-----	*27:13, *27:20 = *27:43, *27:79
-----+	-----	-----	*27:20, *27:38 = *27:20, *27:50 = *27:27, *27:63
-----+	-----	-----	*27:04:01, *27:27 = *27:20, *27:39
-----+	-----	-----	*27:15, *27:27 = *27:20, *27:55 = *27:20, *27:71
-----+	-----	-----	*27:11, *27:54 = *27:20, *27:54 = *27:20, *27:67
-----+	-----	-----	*27:05:02, *27:20 = *27:05:04, *27:20 = *27:10, *27:11 = *27:10, *27:20 = *27:27, *27:79
-----+	-----	-----	*27:16, *27:25 = *27:47, *27:69
-----+	-----	-----	*27:16, *27:63 = *27:47, *27:79
-----+	-----	-----	*27:17, *27:68 = *27:34, *27:68
-----+	-----	-----	*27:17, *27:69 = *27:34, *27:69
-----+	-----	-----	*27:17, *27:66N = *27:34, *27:66N
-----+	-----	-----	*27:04:01, *27:17 = *27:04:01, *27:34
-----+	-----	-----	*27:17, *27:79 = *27:34, *27:79
-----+	-----	-----	*27:04:02, *27:17 = *27:04:02, *27:34
-----+	-----	-----	*27:14, *27:68 = *27:51, *27:68
-----+	-----	-----	*27:38, *27:68 = *27:50, *27:68 = *27:68, *27:76
-----+	-----	-----	*27:09, *27:68 = *27:19, *27:69 = *27:45, *27:68
-----+	-----	-----	*27:55, *27:68 = *27:68, *27:71
-----+	-----	-----	*27:19, *27:66N = *27:58, *27:68
-----+	-----	-----	*27:54, *27:68 = *27:67, *27:68
-----+	-----	-----	*27:68, *27:70 = *27:68, *27:85
-----+	-----	-----	*27:04:01, *27:19 = *27:05:02, *27:68 = *27:05:04, *27:68 = *27:10, *27:68 = *27:19, *27:68 = *27:39, *27:68
-----+	-----	-----	*27:14, *27:69 = *27:51, *27:69
-----+	-----	-----	*27:14, *27:66N = *27:51, *27:66N
-----+	-----	-----	*27:04:01, *27:14 = *27:04:01, *27:51
-----+	-----	-----	*27:14, *27:79 = *27:51, *27:79
-----+	-----	-----	*27:04:02, *27:14 = *27:04:02, *27:51
-----+	-----	-----	*27:25, *27:54 = *27:25, *27:67
-----+	-----	-----	*27:05:02, *27:25 = *27:05:04, *27:25 = *27:09, *27:25 = *27:10, *27:25 = *27:25, *27:39 = *27:25, *27:45 = *27:25, *27:50 = *27:38, *27:69 = *27:50, *27:69 = *27:69, *27:76
-----+	-----	-----	*27:25, *27:38 = *27:25, *27:76
-----+	-----	-----	*27:09, *27:63 = *27:45, *27:63
-----+	-----	-----	*27:38, *27:66N = *27:50, *27:66N = *27:66N, *27:76
-----+	-----	-----	*27:04:01, *27:38 = *27:04:01, *27:50 = *27:04:01, *27:76 = *27:39, *27:63
-----+	-----	-----	*27:15, *27:50 = *27:55, *27:63
-----+	-----	-----	*27:15, *27:38 = *27:15, *27:76 = *27:63, *27:71

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Lot-specific information

-----+	+++++	-----+	-----+	*27:54, *27:63 = *27:63, *27:67
-----+	+++++	-----+	-----+	*27:05:02, *27:63 = *27:05:04, *27:63 = *27:10, *27:63 = *27:38, *27:79 =
-----+	+++++	-----+	-----+	*27:50, *27:63 = *27:50, *27:79 = *27:76, *27:79
-----+	+++++	-----+	-----+	*27:38, *27:63 = *27:63, *27:76
-----+	+++++	-----+	-----+	*27:04:02, *27:38 = *27:04:02, *27:50 = *27:04:02, *27:76
-----+	+++++	-----+	-----+	*27:55, *27:69 = *27:69, *27:71
-----+	+++++	-----+	-----+	*27:09, *27:66N = *27:45, *27:66N = *27:58, *27:69
-----+	+++++	-----+	-----+	*27:54, *27:69 = *27:67, *27:69
-----+	+++++	-----+	-----+	*27:69, *27:70 = *27:69, *27:85
-----+	+++++	-----+	-----+	*27:04:01, *27:09 = *27:04:01, *27:45 = *27:05:02, *27:69 = *27:05:04, *27:69 =
-----+	+++++	-----+	-----+	*27:09, *27:69 = *27:10, *27:69 = *27:39, *27:69 = *27:45, *27:69
-----+	+++++	-----+	-----+	*27:09, *27:15 = *27:15, *27:45
-----+	+++++	-----+	-----+	*27:09, *27:79 = *27:10, *27:36 = *27:45, *27:79
-----+	+++++	-----+	-----+	*27:04:02, *27:09 = *27:04:02, *27:45
-----+	+++++	-----+	-----+	*27:55, *27:66N = *27:66N, *27:71
-----+	+++++	-----+	-----+	*27:04:01, *27:55 = *27:04:01, *27:71 = *27:15, *27:39
-----+	+++++	-----+	-----+	*27:54, *27:66N = *27:66N, *27:67
-----+	+++++	-----+	-----+	*27:66N, *27:70 = *27:66N, *27:85
-----+	+++++	-----+	-----+	*27:04:01, *27:58 = *27:05:02, *27:66N = *27:05:04, *27:66N = *27:10, *27:66N
-----+	+++++	-----+	-----+	= *27:39, *27:66N = *27:58, *27:66N
-----+	+++++	-----+	-----+	*27:04:01, *27:54 = *27:04:01, *27:67
-----+	+++++	-----+	-----+	*27:04:01, *27:70 = *27:04:01, *27:85
-----+	+++++	-----+	-----+	*27:04:01, *27:05:02 = *27:04:01, *27:05:04 = *27:04:01, *27:10 = *27:04:01,
-----+	+++++	-----+	-----+	*27:39 = *27:04:02, *27:39 = *27:39, *27:79
-----+	+++++	-----+	-----+	*27:15, *27:54 = *27:15, *27:67 = *27:31, *27:54
-----+	+++++	-----+	-----+	*27:05:02, *27:15 = *27:05:04, *27:15 = *27:10, *27:15 = *27:10, *27:31 =
-----+	+++++	-----+	-----+	*27:15, *27:55 = *27:55, *27:79 = *27:71, *27:79
-----+	+++++	-----+	-----+	*27:21, *27:54 = *27:54, *27:61 = *27:54, *27:79 = *27:67, *27:79
-----+	+++++	-----+	-----+	*27:70, *27:79 = *27:79, *27:85
-----+	+++++	-----+	-----+	*27:05:02, *27:79 = *27:05:04, *27:79 = *27:10, *27:21 = *27:10, *27:61 =
-----+	+++++	-----+	-----+	*27:10, *27:79
-----+	+++++	-----+	-----+	*27:04:02, *27:55 = *27:04:02, *27:71
-----+	+++++	-----+	-----+	*27:04:02, *27:54 = *27:04:02, *27:67
-----+	+++++	-----+	-----+	*27:04:02, *27:70 = *27:04:02, *27:85
-----+	+++++	-----+	-----+	*27:04:02, *27:05:02 = *27:04:02, *27:05:04 = *27:04:02, *27:10
-----+	+++++	-----+	-----+	*27:36, *27:41 = *27:36, *27:60
-----+	+++++	-----+	-----+	*27:31, *27:41 = *27:31, *27:60
-----+	+++++	-----+	-----+	*27:21, *27:60 = *27:41, *27:61 = *27:60, *27:61
-----+	+++++	-----+	-----+	*27:11, *27:13 = *27:43, *27:61
-----+	+++++	-----+	-----+	*27:05:02, *27:24 = *27:05:04, *27:24 = *27:24, *27:39 = *27:24, *27:49
-----+	+++++	-----+	-----+	*27:11, *27:45 = *27:27, *27:36
-----+	+++++	-----+	-----+	*27:11, *27:55 = *27:27, *27:31
-----+	+++++	-----+	-----+	*27:05:02, *27:11 = *27:05:04, *27:11 = *27:27, *27:61
-----+	+++++	-----+	-----+	*27:21, *27:74 = *27:61, *27:74
-----+	+++++	-----+	-----+	*27:13, *27:21 = *27:13, *27:61
-----+	+++++	-----+	-----+	*27:16, *27:21 = *27:16, *27:61
-----+	+++++	-----+	-----+	*27:17, *27:36 = *27:34, *27:36
-----+	+++++	-----+	-----+	*27:17, *27:31 = *27:31, *27:34
-----+	+++++	-----+	-----+	*27:17, *27:21 = *27:17, *27:61 = *27:34, *27:61
-----+	+++++	-----+	-----+	*27:21, *27:73 = *27:61, *27:73
-----+	+++++	-----+	-----+	*27:14, *27:36 = *27:36, *27:51
-----+	+++++	-----+	-----+	*27:14, *27:31 = *27:31, *27:51
-----+	+++++	-----+	-----+	*27:14, *27:61 = *27:21, *27:51 = *27:51, *27:61
-----+	+++++	-----+	-----+	*27:21, *27:49 = *27:49, *27:61
-----+	+++++	-----+	-----+	*27:36, *27:38 = *27:36, *27:50 = *27:36, *27:76
-----+	+++++	-----+	-----+	*27:31, *27:38 = *27:31, *27:50 = *27:31, *27:76
-----+	+++++	-----+	-----+	*27:21, *27:50 = *27:38, *27:61 = *27:50, *27:61 = *27:61, *27:76
-----+	+++++	-----+	-----+	*27:09, *27:31 = *27:31, *27:45 = *27:36, *27:55 = *27:36, *27:71
-----+	+++++	-----+	-----+	

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Lot-specific information

-----+	-----	-----++	-----	*27:28, *27:31 = *27:28, *27:61
-----++	-----	-----++	-----+	*27:31, *27:70 = *27:31, *27:85
-----++	-----	-----++	-----	*27:05:02, *27:31 = *27:05:04, *27:31 = *27:21, *27:55 = *27:31, *27:55 =
				*27:31, *27:71 = *27:55, *27:61 = *27:61, *27:71
-----++	-----	-----++	-----	*27:21, *27:64N = *27:61, *27:64N
-----++	-----	-----++	-----	*27:21, *27:72 = *27:61, *27:72
-----++	-----	-----++	-----	*27:21, *27:52 = *27:52, *27:61
-----++	-----	-----++	-----	*27:21, *27:58 = *27:58, *27:61
-----++	-----	-----++	-----	*27:21, *27:48 = *27:48, *27:61
-----++	-----	-----++	-----	*27:21, *27:67 = *27:61, *27:67
-----++	-----	-----++	-----	*27:21, *27:59N = *27:59N, *27:61
-----++	-----	-----++	-----	*27:21, *27:56 = *27:56, *27:61
-----++	-----	-----++	-----	*27:21, *27:85 = *27:61, *27:70 = *27:61, *27:85
-----++	-----	-----++	-----	*27:05:02, *27:21 = *27:05:02, *27:61 = *27:05:04, *27:21 = *27:05:04, *27:61
-----++	-----	-----++	-----	*27:06, *27:35 = *27:06, *27:76
-----++	-----	-----++	-----	*27:06, *27:46 = *27:06, *27:78
-----++	-----	-----++	-----	*27:11, *27:43 = *27:21, *27:43
-----++	-----	-----++	-----	*27:24, *27:32 = *27:24, *27:70
-----++	-----	-----++	-----	*27:11, *27:27 = *27:21, *27:27
-----++	-----	-----++	-----	*27:41, *27:42 = *27:42, *27:60
-----++	-----	-----++	-----	*27:17, *27:42 = *27:34, *27:42
-----++	-----	-----++	-----	*27:14, *27:42 = *27:42, *27:51
-----++	-----	-----++	-----	*27:38, *27:42 = *27:42, *27:50 = *27:42, *27:76
-----++	-----	-----++	-----	*27:09, *27:42 = *27:42, *27:45
-----++	-----	-----++	-----	*27:42, *27:55 = *27:42, *27:71
-----++	-----	-----++	-----	*27:42, *27:70 = *27:42, *27:85
-----++	-----	-----++	-----	*27:41, *27:54 = *27:54, *27:60
-----++	-----	-----++	-----	*27:10, *27:41 = *27:10, *27:60
-----++	-----	-----++	-----	*27:10, *27:74 = *27:13, *27:54 = *27:54, *27:74
-----++	-----	-----++	-----	*27:17, *27:54 = *27:34, *27:54
-----++	-----	-----++	-----	*27:10, *27:17 = *27:10, *27:34
-----++	-----	-----++	-----	*27:14, *27:54 = *27:51, *27:54
-----++	-----	-----++	-----	*27:10, *27:14 = *27:10, *27:51
-----++	-----	-----++	-----	*27:38, *27:54 = *27:50, *27:54 = *27:54, *27:76
-----++	-----	-----++	-----	*27:10, *27:38 = *27:10, *27:50 = *27:10, *27:76
-----++	-----	-----++	-----	*27:09, *27:54 = *27:45, *27:54
-----++	-----	-----++	-----	*27:09, *27:10 = *27:10, *27:45
-----++	-----	-----++	-----	*27:37, *27:54 = *27:54, *27:55 = *27:54, *27:71
-----++	-----	-----++	-----	*27:10, *27:37 = *27:10, *27:55 = *27:10, *27:71
-----++	-----	-----++	-----	*27:54, *27:70 = *27:54, *27:85
-----++	-----	-----++	-----	*27:05:02, *27:54 = *27:05:04, *27:54 = *27:10, *27:54 = *27:10, *27:67 =
				*27:54, *27:54 = *27:54, *27:67
-----++	-----	-----++	-----	*27:10, *27:70 = *27:10, *27:85
-----++	-----	-----++	-----	*27:05:02, *27:10 = *27:05:04, *27:10 = *27:10, *27:10
-----++	-----	-----++	-----	*27:41, *27:74 = *27:60, *27:74
-----++	-----	-----++	-----	*27:13, *27:41 = *27:13, *27:60
-----++	-----	-----++	-----	*27:16, *27:35 = *27:35, *27:47 = *27:41, *27:47 = *27:47, *27:60
-----++	-----	-----++	-----	*27:16, *27:41 = *27:16, *27:60
-----++	-----	-----++	-----	*27:17, *27:41 = *27:17, *27:60 = *27:34, *27:60
-----++	-----	-----++	-----	*27:41, *27:73 = *27:60, *27:73
-----++	-----	-----++	-----	*27:14, *27:60 = *27:41, *27:51 = *27:51, *27:60
-----++	-----	-----++	-----	*27:41, *27:49 = *27:49, *27:60
-----++	-----	-----++	-----	*27:35, *27:37 = *27:35, *27:55 = *27:35, *27:71
-----++	-----	-----++	-----	*27:38, *27:78 = *27:50, *27:78
-----++	-----	-----++	-----	*27:05:02, *27:35 = *27:05:04, *27:35 = *27:35, *27:38 = *27:35, *27:50 =
				*27:35, *27:60 = *27:38, *27:41 = *27:38, *27:60 = *27:41, *27:50 = *27:50,
				*27:60 = *27:60, *27:76
-----++	-----	-----++	-----	*27:09, *27:60 = *27:41, *27:45 = *27:45, *27:60
-----++	-----	-----++	-----	*27:39, *27:41 = *27:39, *27:60
-----++	-----	-----++	-----	*27:28, *27:41 = *27:28, *27:60
-----++	-----	-----++	-----	*27:37, *27:78 = *27:55, *27:78 = *27:71, *27:78
-----++	-----	-----++	-----	*27:37, *27:41 = *27:37, *27:60 = *27:41, *27:55 = *27:41, *27:71 = *27:55,

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Lot-specific information

*27:60 = *27:60, *27:71
*27:05:02, *27:78 = *27:05:04, *27:78 = *27:46, *27:60 = *27:60, *27:78
*27:41, *27:64N = *27:60, *27:64N
*27:41, *27:72 = *27:60, *27:72
*27:41, *27:52 = *27:52, *27:60
*27:41, *27:58 = *27:58, *27:60
*27:41, *27:48 = *27:48, *27:60
*27:41, *27:67 = *27:60, *27:67
*27:41, *27:59N = *27:59N, *27:60
*27:41, *27:56 = *27:56, *27:60
*27:41, *27:85 = *27:60, *27:70 = *27:60, *27:85
*27:05:02, *27:41 = *27:05:02, *27:60 = *27:05:04, *27:41 = *27:05:04, *27:60 =
*27:41, *27:60 = *27:60, *27:60
*27:37, *27:43 = *27:43, *27:55
*27:27, *27:74 = *27:43, *27:67 = *27:43, *27:74
*27:05:02, *27:43 = *27:05:04, *27:43 = *27:13, *27:27 = *27:13, *27:43
*27:27, *27:38 = *27:27, *27:50
*27:27, *27:37 = *27:27, *27:55 = *27:27, *27:71
*27:05:02, *27:27 = *27:05:04, *27:27
*27:17, *27:74 = *27:34, *27:74
*27:13, *27:17 = *27:13, *27:34
*27:14, *27:74 = *27:51, *27:74
*27:13, *27:14 = *27:13, *27:51
*27:38, *27:74 = *27:50, *27:74 = *27:74, *27:76
*27:13, *27:38 = *27:13, *27:50 = *27:13, *27:76
*27:09, *27:74 = *27:45, *27:74
*27:09, *27:13 = *27:13, *27:45
*27:37, *27:74 = *27:55, *27:74 = *27:71, *27:74
*27:13, *27:37 = *27:13, *27:55 = *27:13, *27:71
*27:70, *27:74 = *27:74, *27:85
*27:05:02, *27:74 = *27:05:04, *27:74 = *27:13, *27:67 = *27:13, *27:74 =
*27:67, *27:74 = *27:74, *27:74
*27:13, *27:70 = *27:13, *27:85
*27:05:02, *27:13 = *27:05:04, *27:13 = *27:13, *27:13
*27:16, *27:17 = *27:16, *27:34
*27:14, *27:16 = *27:16, *27:51
*27:09, *27:47 = *27:45, *27:47
*27:37, *27:47 = *27:47, *27:55
*27:05:02, *27:47 = *27:05:04, *27:47 = *27:16, *27:38 = *27:16, *27:47 =
*27:16, *27:50 = *27:16, *27:76 = *27:47, *27:50
*27:38, *27:47 = *27:47, *27:47 = *27:47, *27:76
*27:09, *27:16 = *27:16, *27:45
*27:16, *27:37 = *27:16, *27:55 = *27:16, *27:71
*27:16, *27:70 = *27:16, *27:85
*27:05:02, *27:16 = *27:05:04, *27:16 = *27:16, *27:16
*27:17, *27:73 = *27:34, *27:73
*27:14, *27:17 = *27:17, *27:51 = *27:34, *27:51
*27:17, *27:49 = *27:34, *27:49
*27:17, *27:38 = *27:17, *27:50 = *27:17, *27:76 = *27:34, *27:50
*27:09, *27:17 = *27:17, *27:45 = *27:34, *27:45
*27:17, *27:39 = *27:34, *27:39
*27:17, *27:37 = *27:17, *27:55 = *27:17, *27:71 = *27:34, *27:37 = *27:34,
*27:55
*27:17, *27:64N = *27:34, *27:64N
*27:17, *27:72 = *27:34, *27:72
*27:17, *27:52 = *27:34, *27:52
*27:17, *27:58 = *27:34, *27:58
*27:17, *27:48 = *27:34, *27:48
*27:17, *27:67 = *27:34, *27:67
*27:17, *27:59N = *27:34, *27:59N
*27:17, *27:56 = *27:34, *27:56
*27:17, *27:70 = *27:17, *27:85 = *27:34, *27:85

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----	----	----	----	*27:05:02, *27:17 = *27:05:02, *27:34 = *27:05:04, *27:17 = *27:05:04, *27:34 = *27:17, *27:17 = *27:17, *27:34
----	----	----	----	*27:14, *27:73 = *27:51, *27:73
----	----	----	----	*27:38, *27:73 = *27:50, *27:73 = *27:73, *27:76
----	----	----	----	*27:09, *27:73 = *27:45, *27:73
----	----	----	----	*27:37, *27:73 = *27:55, *27:73 = *27:71, *27:73
----	----	----	----	*27:52, *27:73 = *27:72, *27:73
----	----	----	----	*27:70, *27:73 = *27:73, *27:85
----	----	----	----	*27:05:02, *27:73 = *27:05:04, *27:73 = *27:59N, *27:73 = *27:73, *27:73
----	----	----	----	*27:19, *27:37 = *27:19, *27:55
----	----	----	----	*27:05:02, *27:19 = *27:05:04, *27:19
----	----	----	----	*27:14, *27:49 = *27:49, *27:51
----	----	----	----	*27:14, *27:50 = *27:38, *27:51 = *27:50, *27:51 = *27:51, *27:76
----	----	----	----	*27:09, *27:51 = *27:14, *27:45 = *27:45, *27:51
----	----	----	----	*27:14, *27:39 = *27:39, *27:51
----	----	----	----	*27:14, *27:37 = *27:14, *27:55 = *27:37, *27:51 = *27:51, *27:55 = *27:51, *27:71
----	----	----	----	*27:14, *27:64N = *27:51, *27:64N
----	----	----	----	*27:14, *27:72 = *27:51, *27:72
----	----	----	----	*27:14, *27:52 = *27:51, *27:52
----	----	----	----	*27:14, *27:58 = *27:51, *27:58
----	----	----	----	*27:14, *27:48 = *27:48, *27:51
----	----	----	----	*27:14, *27:67 = *27:51, *27:67
----	----	----	----	*27:14, *27:59N = *27:51, *27:59N
----	----	----	----	*27:14, *27:56 = *27:51, *27:56
----	----	----	----	*27:14, *27:85 = *27:51, *27:70 = *27:51, *27:85
----	----	----	----	*27:05:02, *27:14 = *27:05:02, *27:51 = *27:05:04, *27:14 = *27:05:04, *27:51 = *27:14, *27:51 = *27:51, *27:51
----	----	----	----	*27:38, *27:49 = *27:49, *27:50 = *27:49, *27:76
----	----	----	----	*27:09, *27:49 = *27:45, *27:49
----	----	----	----	*27:32, *27:37 = *27:32, *27:55
----	----	----	----	*27:37, *27:49 = *27:49, *27:55 = *27:49, *27:71
----	----	----	----	*27:05:02, *27:32 = *27:05:04, *27:32 = *27:32, *27:49 = *27:32, *27:85 = *27:49, *27:70 = *27:49, *27:85
----	----	----	----	*27:05:02, *27:49 = *27:05:04, *27:49 = *27:49, *27:49
----	----	----	----	*27:09, *27:38 = *27:09, *27:50 = *27:38, *27:45 = *27:45, *27:50 = *27:45, *27:76
----	----	----	----	*27:38, *27:39 = *27:39, *27:50 = *27:39, *27:76
----	----	----	----	*27:37, *27:38 = *27:37, *27:50 = *27:37, *27:76 = *27:38, *27:55 = *27:50, *27:55 = *27:50, *27:71 = *27:55, *27:76
----	----	----	----	*27:28, *27:38 = *27:28, *27:76
----	----	----	----	*27:38, *27:71 = *27:71, *27:76
----	----	----	----	*27:38, *27:46 = *27:46, *27:50
----	----	----	----	*27:38, *27:64N = *27:50, *27:64N = *27:64N, *27:76
----	----	----	----	*27:38, *27:72 = *27:50, *27:72 = *27:72, *27:76
----	----	----	----	*27:38, *27:52 = *27:50, *27:52 = *27:52, *27:76
----	----	----	----	*27:38, *27:58 = *27:50, *27:58 = *27:58, *27:76
----	----	----	----	*27:38, *27:48 = *27:48, *27:50 = *27:48, *27:76
----	----	----	----	*27:38, *27:67 = *27:50, *27:67 = *27:67, *27:76
----	----	----	----	*27:38, *27:59N = *27:50, *27:59N = *27:59N, *27:76
----	----	----	----	*27:38, *27:56 = *27:50, *27:56 = *27:56, *27:76
----	----	----	----	*27:38, *27:85 = *27:50, *27:70 = *27:50, *27:85 = *27:76, *27:85
----	----	----	----	*27:05:02, *27:38 = *27:05:02, *27:50 = *27:05:02, *27:76 = *27:05:04, *27:38 = *27:05:04, *27:50 = *27:05:04, *27:76 = *27:38, *27:50 = *27:50, *27:50 = *27:50, *27:76
----	----	----	----	*27:38, *27:38 = *27:38, *27:76
----	----	----	----	*27:09, *27:39 = *27:39, *27:45
----	----	----	----	*27:09, *27:28 = *27:28, *27:45
----	----	----	----	*27:09, *27:37 = *27:09, *27:55 = *27:09, *27:71 = *27:37, *27:45 = *27:45, *27:55 = *27:45, *27:71
----	----	----	----	*27:09, *27:64N = *27:45, *27:64N
----	----	----	----	*27:09, *27:72 = *27:45, *27:72

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Lot-specific information

----	----	----	----	*27:09, *27:52 = *27:45, *27:52
----	----	----	----	*27:09, *27:58 = *27:45, *27:58
----	----	----	----	*27:09, *27:48 = *27:45, *27:48
----	----	----	----	*27:09, *27:67 = *27:45, *27:67
----	----	----	----	*27:09, *27:59N = *27:45, *27:59N
----	----	----	----	*27:09, *27:56 = *27:45, *27:56
----	----	----	----	*27:09, *27:85 = *27:45, *27:70 = *27:45, *27:85
----	----	----	----	*27:05:02, *27:09 = *27:05:02, *27:45 = *27:05:04, *27:09 = *27:05:04, *27:45 =
----	----	----	----	*27:09, *27:45 = *27:45, *27:45
----	----	----	----	*27:37, *27:39 = *27:39, *27:55 = *27:39, *27:71
----	----	----	----	*27:39, *27:70 = *27:39, *27:85
----	----	----	----	*27:05:02, *27:39 = *27:05:04, *27:39 = *27:39, *27:39
----	----	----	----	*27:05:02, *27:28 = *27:05:04, *27:28 = *27:28, *27:37 = *27:28, *27:55
----	----	----	----	*27:37, *27:46 = *27:46, *27:55 = *27:46, *27:71
----	----	----	----	*27:37, *27:64N = *27:55, *27:64N = *27:64N, *27:71
----	----	----	----	*27:37, *27:72 = *27:55, *27:72 = *27:71, *27:72
----	----	----	----	*27:37, *27:52 = *27:52, *27:55 = *27:52, *27:71
----	----	----	----	*27:37, *27:58 = *27:55, *27:58 = *27:58, *27:71
----	----	----	----	*27:37, *27:48 = *27:48, *27:55 = *27:48, *27:71
----	----	----	----	*27:37, *27:67 = *27:55, *27:67 = *27:67, *27:71
----	----	----	----	*27:37, *27:59N = *27:55, *27:59N = *27:59N, *27:71
----	----	----	----	*27:37, *27:56 = *27:55, *27:56 = *27:56, *27:71
----	----	----	----	*27:37, *27:70 = *27:37, *27:85 = *27:55, *27:70 = *27:55, *27:85 = *27:71,
----	----	----	----	*27:85
----	----	----	----	*27:05:02, *27:37 = *27:05:02, *27:55 = *27:05:02, *27:71 = *27:05:04, *27:37 =
----	----	----	----	*27:05:04, *27:55 = *27:05:04, *27:71 = *27:37, *27:55 = *27:37, *27:71 =
----	----	----	----	*27:55, *27:55 = *27:55, *27:71
----	----	----	----	*27:28, *27:28 = *27:28, *27:71
----	----	----	----	*27:05:02, *27:46 = *27:05:04, *27:46
----	----	----	----	*27:48, *27:72 = *27:59N, *27:64N = *27:64N, *27:72
----	----	----	----	*27:64N, *27:70 = *27:64N, *27:85
----	----	----	----	*27:05:02, *27:64N = *27:05:04, *27:64N = *27:48, *27:52 = *27:48, *27:64N =
----	----	----	----	*27:52, *27:64N = *27:64N, *27:64N
----	----	----	----	*27:70, *27:72 = *27:72, *27:85
----	----	----	----	*27:05:02, *27:72 = *27:05:04, *27:72 = *27:52, *27:59N = *27:52, *27:72 =
----	----	----	----	*27:59N, *27:72 = *27:72, *27:72
----	----	----	----	*27:52, *27:70 = *27:52, *27:85
----	----	----	----	*27:05:02, *27:52 = *27:05:04, *27:52 = *27:52, *27:52
----	----	----	----	*27:58, *27:70 = *27:58, *27:85
----	----	----	----	*27:05:02, *27:58 = *27:05:04, *27:58 = *27:58, *27:58
----	----	----	----	*27:48, *27:70 = *27:48, *27:85
----	----	----	----	*27:05:02, *27:48 = *27:05:04, *27:48 = *27:48, *27:48
----	----	----	----	*27:67, *27:70 = *27:67, *27:85
----	----	----	----	*27:05:02, *27:67 = *27:05:04, *27:67 = *27:67, *27:67
----	----	----	----	*27:59N, *27:70 = *27:59N, *27:85
----	----	----	----	*27:05:02, *27:59N = *27:05:04, *27:59N = *27:59N, *27:59N
----	----	----	----	*27:56, *27:70 = *27:56, *27:85
----	----	----	----	*27:05:02, *27:56 = *27:05:04, *27:56 = *27:56, *27:56
----	----	----	----	*27:05:02, *27:70 = *27:05:02, *27:85 = *27:05:04, *27:70 = *27:05:04, *27:85 =
----	----	----	----	*27:70, *27:85 = *27:85, *27:85
----	----	----	----	*27:05:02, *27:05:02 = *27:05:02, *27:05:04
----	----	----	----	*27:35, *27:46 = *27:35, *27:78 = *27:76, *27:78
----	----	----	----	*27:35, *27:35 = *27:35, *27:41 = *27:35, *27:76 = *27:41, *27:76
----	----	----	----	*27:41, *27:46 = *27:41, *27:78 = *27:46, *27:78 = *27:78, *27:78
----	----	----	----	*27:32, *27:32 = *27:32, *27:70
----	----	----	----	*27:06, *27:08 = *27:06, *27:40 = *27:06, *27:42
----	----	----	----	*27:08, *27:20 = *27:11, *27:40 = *27:20, *27:40 = *27:20, *27:42 = *27:33,
----	----	----	----	*27:79
----	----	----	----	*27:08, *27:68 = *27:40, *27:68 = *27:42, *27:68
----	----	----	----	*27:08, *27:25 = *27:25, *27:40 = *27:25, *27:42
----	----	----	----	*27:08, *27:63 = *27:40, *27:63 = *27:42, *27:63
----	----	----	----	*27:08, *27:69 = *27:40, *27:69 = *27:42, *27:69

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Lot-specific information

-----++	+-----	-----++	-----	*27:08, *27:66N = *27:40, *27:66N = *27:42, *27:66N
-----++	+-----	-----++	-----	*27:04:01, *27:08 = *27:04:01, *27:40 = *27:04:01, *27:42
-----++	+-----	-----++	-----	*27:08, *27:15 = *27:15, *27:26 = *27:15, *27:40 = *27:15, *27:42 = *27:26,
				*27:79 = *27:31, *27:40 = *27:37, *27:40
-----++	+-----	-----++	-----	*27:08, *27:79 = *27:21, *27:40 = *27:40, *27:61 = *27:40, *27:79 = *27:42,
				*27:79
-----++	+-----	-----++	-----	*27:04:02, *27:08 = *27:04:02, *27:40 = *27:04:02, *27:42
-----++	+-----	-----++	-----	*27:08, *27:24 = *27:24, *27:42
-----++	+-----	-----++	-----	*27:11, *27:26 = *27:31, *27:33 = *27:33, *27:37
-----++	+-----	-----++	-----	*27:08, *27:11 = *27:11, *27:42 = *27:33, *27:61
-----++	+-----	-----++	-----	*27:12, *27:31 = *27:12, *27:37
-----++	+-----	-----++	-----	*27:12, *27:21 = *27:12, *27:61
-----++	+-----	-----++	-----	*27:08, *27:36 = *27:36, *27:42
-----++	+-----	-----++	-----	*27:08, *27:31 = *27:08, *27:37 = *27:21, *27:26 = *27:26, *27:31 = *27:26,
				*27:37 = *27:26, *27:61 = *27:31, *27:42
-----++	+-----	-----++	-----	*27:08, *27:21 = *27:08, *27:61 = *27:21, *27:42 = *27:42, *27:61
-----++	+-----	-----++	-----	*27:11, *27:33 = *27:21, *27:33
-----++	+-----	-----++	-----	*27:06, *27:36 = *27:06, *27:69
-----++	+-----	-----++	-----	*27:06, *27:15 = *27:06, *27:31 = *27:06, *27:37
-----++	+-----	-----++	-----	*27:04:01, *27:06 = *27:04:02, *27:06 = *27:06, *27:61 = *27:06, *27:79
-----++	+-----	-----++	-----	*27:11, *27:68 = *27:20, *27:68
-----++	+-----	-----++	-----	*27:04:01, *27:24 = *27:04:02, *27:24 = *27:24, *27:79
-----++	+-----	-----++	-----	*27:11, *27:69 = *27:20, *27:69
-----++	+-----	-----++	-----	*27:11, *27:66N = *27:20, *27:66N
-----++	+-----	-----++	-----	*27:04:01, *27:11 = *27:04:01, *27:20
-----++	+-----	-----++	-----	*27:15, *27:20 = *27:20, *27:31 = *27:20, *27:37
-----++	+-----	-----++	-----	*27:11, *27:79 = *27:20, *27:61 = *27:20, *27:79
-----++	+-----	-----++	-----	*27:04:02, *27:11 = *27:04:02, *27:20
-----++	+-----	-----++	-----	*27:36, *27:68 = *27:68, *27:69
-----++	+-----	-----++	-----	*27:15, *27:68 = *27:31, *27:68 = *27:37, *27:68
-----++	+-----	-----++	-----	*27:04:01, *27:68 = *27:04:02, *27:68 = *27:21, *27:68 = *27:61, *27:68 =
				*27:68, *27:68 = *27:68, *27:79
-----++	+-----	-----++	-----	*27:25, *27:31 = *27:25, *27:37
-----++	+-----	-----++	-----	*27:04:01, *27:25 = *27:04:02, *27:25 = *27:25, *27:36 = *27:25, *27:61 =
				*27:25, *27:69 = *27:25, *27:79 = *27:63, *27:69
-----++	+-----	-----++	-----	*27:21, *27:25 = *27:25, *27:25 = *27:25, *27:63
-----++	+-----	-----++	-----	*27:31, *27:63 = *27:37, *27:63
-----++	+-----	-----++	-----	*27:61, *27:63 = *27:63, *27:79
-----++	+-----	-----++	-----	*27:21, *27:63 = *27:63, *27:63
-----++	+-----	-----++	-----	*27:15, *27:69 = *27:31, *27:69 = *27:37, *27:69
-----++	+-----	-----++	-----	*27:36, *27:66N = *27:66N, *27:69
-----++	+-----	-----++	-----	*27:04:01, *27:36 = *27:04:01, *27:69 = *27:04:02, *27:69 = *27:21, *27:69 =
				*27:36, *27:69 = *27:61, *27:69 = *27:69, *27:69 = *27:69, *27:79
-----++	+-----	-----++	-----	*27:15, *27:66N = *27:31, *27:66N = *27:37, *27:66N
-----++	+-----	-----++	-----	*27:04:01, *27:15 = *27:04:01, *27:31 = *27:04:01, *27:37
-----++	+-----	-----++	-----	*27:04:01, *27:66N = *27:04:02, *27:66N = *27:21, *27:66N = *27:61, *27:66N =
				*27:66N, *27:66N = *27:66N, *27:79
-----++	+-----	-----++	-----	*27:04:01, *27:04:01 = *27:04:01, *27:04:02 = *27:04:01, *27:21 = *27:04:01,
				*27:61 = *27:04:01, *27:79
-----++	+-----	-----++	-----	*27:15, *27:31 = *27:15, *27:37 = *27:15, *27:61 = *27:15, *27:79 = *27:31,
				*27:79 = *27:37, *27:79
-----++	+-----	-----++	-----	*27:15, *27:15 = *27:15, *27:21
-----++	+-----	-----++	-----	*27:21, *27:79 = *27:61, *27:79 = *27:79, *27:79
-----++	+-----	-----++	-----	*27:04:02, *27:15 = *27:04:02, *27:31 = *27:04:02, *27:37
-----++	+-----	-----++	-----	*27:04:02, *27:04:02 = *27:04:02, *27:21 = *27:04:02, *27:61 = *27:04:02,
				*27:79
-----++	+-----	-----++	-----	*27:24, *27:31 = *27:24, *27:37
-----++	+-----	-----++	-----	*27:11, *27:31 = *27:11, *27:37
-----++	+-----	-----++	-----	*27:31, *27:36 = *27:36, *27:37
-----++	+-----	-----++	-----	*27:21, *27:36 = *27:36, *27:36 = *27:36, *27:61
-----++	+-----	-----++	-----	*27:21, *27:31 = *27:21, *27:37 = *27:31, *27:31 = *27:31, *27:37 = *27:31,
				*27:61 = *27:37, *27:61

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-----++-	-----	-----+-	-----	*27:21, *27:61 = *27:61, *27:61
-----+-	+++-----	-----+-	-----	*27:06, *27:11 = *27:06, *27:20
-----+-	+++-----	-----+-	-----	*27:06, *27:06 = *27:06, *27:21
-----+-	+++-----	-----+-	-----	*27:11, *27:20 = *27:20, *27:20 = *27:20, *27:21
-----+-	+++-----	-----+-	-----	*27:11, *27:24 = *27:21, *27:24 = *27:24, *27:24
-----+-	+++-----	-----+-	-----	*27:11, *27:11 = *27:11, *27:21
-----+-	+++-----	-----+-	-----	*27:08, *27:40 = *27:40, *27:40 = *27:40, *27:42
-----+-	+++-----	-----+-	-----	*27:08, *27:33 = *27:33, *27:42
-----+-	+++-----	-----+-	-----	*27:08, *27:12 = *27:12, *27:12 = *27:12, *27:42
-----+-	+++-----	-----+-	-----	*27:08, *27:26 = *27:26, *27:26 = *27:26, *27:42
-----+-	+++-----	-----+-	-----	*27:08, *27:08 = *27:08, *27:42

*27:02:01 = *27:02:01-27:02:02 and the 27:75, 27:77 and 27:83 alleles

*27:04:02 = *27:04:02-27:04:03

*27:05:02 = *27:05:02-27:05:03 and 27:05:05-27:05:17 and the 27:80, 27:82, 27:84 alleles

*27:14 = *27:14 and 27:81

*27:79 = *27:79 and 27:86

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SPECIFICITY TABLE

HLA-B*27 SSP subtyping

Specificities and sizes of the PCR products of the 32 primer mixes used for HLA-B*27 SSP subtyping

Primer Mix	Size of spec. PCR product ¹	Size of control band ²	Amplified HLA-B*27 alleles ³	Other amplified HLA Class I alleles ^{3,4}
1⁷	390 bp	800 bp	*27:01, 27:18, 27:23, 27:29, 27:44	*18:01:01, 18:01:03-18:02, 18:04-18:15, 18:17N-18:24, 18:26-18:32, 18:34-18:68, 35:01:23, 35:42:01-35:42:02, 37:01:01-37:31, 40:02:01-40:06:04, 40:08, 40:09 [?] , 40:11:02 [?] , 40:14:01 [?] -40:15 [?] , 40:18 [?] , 40:20, 40:21 [?] -40:22N [?] , 40:24 [?] -40:38 [?] , 40:39, 40:42 [?] , 40:43, 40:44 [?] -40:49 [?] , 40:50, 40:52 [?] -40:58 [?] , 40:61 [?] -40:65 [?] , 40:67 [?] -40:69 [?] , 40:70, 40:71 [?] , 40:72:02 [?] , 40:74 [?] -40:76 [?] , 40:78 [?] , 40:80 [?] -40:88 [?] , 40:89, 40:90 [?] -40:93 [?] , 40:94, 40:95 [?] -40:96 [?] , 40:97, 40:98 [?] -40:116 [?] , 40:118N [?] -40:121 [?] , 40:122, 40:123 [?] , 40:124:02 [?] -40:137 [?] , 40:141 [?] , 40:142N-40:144N, 40:145 [?] , 40:148 [?] -40:149 [?] , 40:151 [?] , 40:154 [?] , 40:156 [?] -40:165 [?] , 40:167 [?] -40:177 [?] , 47:01:01:01-47:08
2	405 bp	800 bp	*27:02:01-27:02:02, 27:30, 27:53, 27:57, 27:62, 27:65N, 27:75, 27:77, 27:83	*18:67, 40:13, 40:19 [?] , 40:109 [?] , 40:117 [?]
3⁵	120 bp	1070 bp	*27:03	
4	245 bp	1070 bp	*27:03, 27:05:02-27:05:17, 27:07:01, 27:09-27:10, 27:13-27:14, 27:16-27:17, 27:19, 27:27-27:29, 27:32, 27:34-27:35, 27:38-27:39, 27:41,	*18:54, 37:01:01-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:28, 37:30N-37:31

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			27:43, 27:45-27:52, 27:54-27:56, 27:58- 27:60, 27:64N, 27:67, 27:70-27:74, 27:76, 27:78, 27:80-27:82, 27:84-27:85	
5⁷	400 bp	1070 bp	*27:04:01-27:04:03, 27:06, 27:08, 27:11- 27:12, 27:15, 27:18, 27:20-27:21, 27:23- 27:26, 27:31, 27:33, 27:36, 27:40, 27:44, 27:61, 27:63, 27:66N, 27:68-27:69, 27:79, 27:86	*18:01:01-18:08, 18:10-18:15, 18:17N-18:24, 18:26-18:32, 18:34-18:48, 18:50-18:53, 18:55-18:66, 18:68, 35:01:23, 35:42:01-35:42:02, 37:11, 37:14, 37:29, 40:02:01- 40:06:04, 40:08, 40:09 [?] - 40:11:02 [?] , 40:14:01 [?] -40:15 [?] , 40:18 [?] , 40:20, 40:21 [?] -40:22N [?] , 40:24 [?] -40:36 [?] , 40:38 [?] , 40:39, 40:42 [?] -40:46 [?] , 40:48 [?] -40:50 [?] , 40:52 [?] -40:58 [?] , 40:61 [?] -40:65 [?] , 40:67 [?] -40:69 [?] , 40:70, 40:71 [?] , 40:72:02 [?] , 40:74 [?] -40:76 [?] , 40:78 [?] , 40:80 [?] -40:88 [?] , 40:89, 40:90 [?] -40:93 [?] , 40:94, 40:95 [?] , 40:97, 40:98 [?] -40:108 [?] , 40:111 [?] -40:116 [?] , 40:118N [?] - 40:121 [?] , 40:122, 40:123 [?] , 40:124:02 [?] -40:134 [?] , 40:136 [?] - 40:137 [?] , 40:141 [?] , 40:142N- 40:144N, 40:145 [?] , 40:148 [?] - 40:149 [?] , 40:151 [?] , 40:154 [?] , 40:156 [?] , 40:158 [?] -40:177 [?] , 47:02-47:03, 82:01-82:03
6	415 bp	800 bp	*27:01-27:05:03, 27:05:05-27:07:01, 27:09-27:11, 27:13- 27:17, 27:19-27:21, 27:23-27:25, 27:27- 27:32, 27:34-27:39, 27:41, 27:43, 27:45- 27:86	*18:09, 18:54, 18:67, 37:01:01- 37:04:02, 37:06-37:10, 37:12- 37:31, 40:13, 40:19 [?] , 40:47 [?] , 40:96 [?] , 40:109 [?] -40:110 [?] , 40:117 [?] , 40:157 [?] , 47:01:01:01- 47:01:02, 47:03-47:08
7	410 bp	1070 bp	*27:08, 27:12, 27:18, 27:26, 27:33, 27:40, 27:42, 27:44	*18:01:01-18:08, 18:10-18:15, 18:17N-18:24, 18:26-18:32, 18:34-18:53, 18:55-18:66, 18:68, 35:01:23, 35:42:01- 35:42:02, 37:05, 37:11, 40:02:01-40:06:04, 40:08, 40:09 [?] -40:11:02 [?] ,

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				40:14:01 [?] -40:15 [?] , 40:18 [?] , 40:20, 40:21 [?] -40:22N [?] , 40:24 [?] - 40:38 [?] , 40:39, 40:42 [?] -40:46 [?] , 40:48 [?] -40:50 [?] , 40:52 [?] -40:58 [?] , 40:61 [?] -40:65 [?] , 40:67 [?] -40:69 [?] , 40:70, 40:71 [?] , 40:72:02 [?] , 40:74 [?] -40:75 [?] , 40:78 [?] , 40:80 [?] - 40:88 [?] , 40:89, 40:90 [?] -40:93 [?] , 40:94, 40:95 [?] , 40:97, 40:98 [?] - 40:108 [?] , 40:111 [?] -40:116 [?] , 40:118N [?] -40:121 [?] , 40:122, 40:123 [?] , 40:124:02 [?] -40:137 [?] , 40:141 [?] , 40:142N-40:144N, 40:145 [?] , 40:148 [?] -40:149 [?] , 40:151 [?] , 40:154 [?] , 40:156 [?] , 40:158 [?] -40:177 [?] , 47:02, 82:01- 82:03
8⁵	95 bp	1070 bp	*27:01-27:05:17, 27:08, 27:10, 27:12-27:13, 27:15-27:18, 27:23, 27:25-27:26, 27:28- 27:29, 27:31, 27:36- 27:40, 27:42, 27:44- 27:45, 27:47-27:69, 27:71-27:75, 27:77, 27:79-27:80, 27:82- 27:86	*37:02, 47:04-47:05, 48:26
9	205 bp	1070 bp	*27:04:01-27:04:03, 27:06, 27:10, 27:15, 27:18, 27:20, 27:25 ^w , 27:40, 27:54, 27:63, 27:66N, 27:68-27:69, 27:79, 27:86	*15:129 ^w
10^{5,9}	90 bp, 185 bp	800 bp	*27:06, 27:35, 27:41, 27:60, 27:78	*15:129, 18:02, 38:22, C*07:05
11	190 bp	1070 bp	*27:07:01, 27:11, 27:20, 27:24, 27:27, 27:33, 27:43	*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, 08:40, 13:01:01- 13:01:02, 13:01:04-13:02:12, 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, 35:31, 35:88,

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				39:47, 39:50, 40:01:01-40:02:09, 40:02:11-40:02:12, 40:04, 40:06:01:01-40:08, 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, 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, 40:132, 40:134-40:158, 40:160-40:162, 40:164-40:171, 40:173, 40:175-40:177, 41:19, 44:31, 48:01:01-48:01:03, 48:03:01-48:07, 48:09-48:16, 48:18-48:22, 48:24, 48:27, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 55:09, 55:22, 55:24, 58:27, 81:01-81:05
12^{6,10}	210 bp, 310 bp, 425 bp	1070 bp	*27:13, 27:43, 27:74	*35:113, 39:62, 44:98, 46:27
13¹¹	215 bp, 370 bp, 400 bp	800 bp	*27:12, 27:16, 27:47, 27:53	*40:75 [?]
14^{5,12}	120 bp, 345 bp	800 bp	*27:17, 27:34	*40:02:07, 40:06:02, 57:03:02, C*02:23, C*02:36
15¹³	250 bp, 370 bp	1070 bp	*27:18, 27:29, 27:73	*18:01:01-18:06, 18:08-18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:68, 37:01:01-37:20, 37:22-37:25, 37:27-37:31, 40:02:01-40:02:02, 40:02:04-40:06:04, 40:09 [?] -40:11:02 [?] , 40:14:01 [?] -40:15 [?] , 40:18 [?] -40:19 [?] , 40:20, 40:21 [?] -40:22N [?] , 40:24 [?] -40:27:01 [?] , 40:28 [?] -40:38 [?] , 40:39, 40:42 [?] -40:50 [?] , 40:52 [?] -40:58 [?] , 40:62 [?] -40:65 [?] , 40:67 [?] , 40:69 [?] , 40:70, 40:71 [?] , 40:72:02 [?] , 40:74 [?] , 40:76 [?] , 40:78 [?] , 40:80 [?] -40:88 [?] , 40:89, 40:90 [?] -40:93 [?] , 40:94,

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16¹⁴	155 bp, 245 bp	1070 bp	*27:19, 27:30, 27:68	*07:12, 07:14, 07:18:01- 07:18:02, 07:137, 13:01:01- 13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25- 13:26, 13:28-13:29, 13:36, 13:39, 13:43, 13:50-13:52, 15:201, 35:15, 35:33, 35:88, 40:04, 40:30, 40:34, 40:59, 40:64, 40:68, 40:99, 40:120, 40:129, 40:137, 40:160, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 48:17, 57:13, 57:25, C*03:34, C*15:42, C*17:01:07
17^{5,15}	100 bp, 310 bp	800 bp	*27:14, 27:51, 27:81	*44:20, 44:47, 44:100, 51:85, 52:26
18^{5,16}	95 bp, 175 bp, 415 bp	800 bp	*27:24, 27:32, 27:49	*07:28, 07:118, 08:14, 40:31, 40:45, 40:80, 44:54, 44:106, 44:135, 48:01:01-48:01:03, 48:04, 48:06-48:07, 48:09, 48:11, 48:15-48:16, 48:18- 48:20, 48:22, 48:24, 48:27, 81:01-81:05
19^{5,17}	95 bp, 240 bp	800 bp	*27:25, 27:35, 27:38, 27:47, 27:50, 27:63, 27:76	*15:129, 38:22
20^{5,18}	95 bp, 175 bp, 215 bp, 345 bp	800 bp	*27:09, 27:25, 27:36, 27:45, 27:69	*15:129, 15:227, 37:23, 48:21, 48:26, 51:32
21^{5,19}	110 bp, 160 bp	1070 bp	*27:04:01, 27:04:02 [?] - 27:04:03 [?] , 27:06, 27:24- 27:25, 27:39, 27:66N, 27:68-27:69	

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22²⁰	165 bp, 195 bp, 235 bp, 375 bp	800 bp	*27:15, 27:26, 27:28, 27:31, 27:37, 27:55, 27:62, 27:71	*18:02, 18:43, 40:166 [?] , 82:01- 82:03, C*07:05
23	235 bp	800 bp	*27:01-27:06, 27:08- 27:10, 27:12-27:13, 27:16-27:18, 27:20, 27:23, 27:26-27:27, 27:29, 27:31, 27:35- 27:37, 27:39-27:42, 27:44-27:46, 27:48- 27:61, 27:64N-27:69, 27:72-27:75, 27:77- 27:80, 27:82-27:86	*37:02, 47:04-47:05, 48:21, 48:26
24^{5,21}	105 bp, 260 bp	1070 bp	*27:18, 27:28-27:29, 27:62	*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 18:02, 18:37, 37:28, 38:03, 39:02:01- 39:02:02, 39:08, 39:13:01- 39:13:02, 39:23, 39:39, 39:49, 40:12, 40:46, 40:93, 42:11, 44:40, 44:44, 44:130, 48:01:01-48:05, 48:07-48:27, 52:16, 55:18
25⁵	85 bp	1070 bp	*27:46, 27:78	A*23:23
26^{5,22}	105 bp, 145 bp, 235 bp	1070 bp	*27:52, 27:64N, 27:72	
27²³	225 bp, 290 bp, 320 bp	1070 bp	*27:57-27:58, 27:66N	*37:27
28^{6,24}	145 bp, 325 bp	1070 bp	*27:48, 27:64N	*40:118N
29^{5,25}	70 bp, 105 bp, 210 bp	1070 bp	*27:54, 27:67, 27:74	
30^{8,26}	160 bp, 240 bp	800 bp	*27:59N, 27:72-27:73	
31^{5,6,27}	125 bp, 160 bp	1070 bp	*27:56, 27:65N	A*24:185N

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32^{5,6,28}	90 bp, 370 bp	1070 bp	*27:32, 27:70, 27:85	*07:28, 07:118, 08:14, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 40:124:02, 44:41:01, 44:54, 44:65, 44:106, 44:135, C*02:07
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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*27 SSP typings.

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

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

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

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

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

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

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B*27 subtyping.

In addition, wells number 2, 6, 10, 13, 14, 17 to 20, 22, 23 and 30 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

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

³For several HLA-B alleles 1st or 4th exon nucleotide sequences are not available. In these instances it is not known whether some of the primers of the HLA-B*27 SSP subtyping kit are completely matched with the target sequences or not. We assume that unknown sequences in the 1st or 4th exon are conserved within allelic groups.

⁴Due to the sharing of sequence motifs between HLA-B alleles non-HLA-B*27 alleles will be amplified by primer mixes 1, 2, 4 to 20, 22 to 24, 27, 28 and 32. In addition, the A*23:23 will be amplified by primer mix 25, the A*24:185N will be amplified by primer mix 31, the C*02:07 will be amplified by primer mix 32, the C*02:23 and C*02:36 will be amplified by primer mix 14, the C*03:34, C*15:42 and C*17:01:07 alleles will be amplified by primer mix 16 and the C*07:05 allele will be amplified by primer mixes 10 and 22.

⁵Short specific PCR fragments are less intense and not as sharp as longer specific bands.

⁶Primer mixes 12, 28, 31 and 32 have a tendency of giving rise to nonspecific amplifications.

⁷Primer mixes 1 and 5 have a tendency of giving rise primer oligomer formation

⁸Primer mix 30 may give rise to a long unspecific amplification product. This band should be disregarded when interpreting the typing results.

⁹Primer mix 10: Specific PCR product of 90 bp in the B*27:06, 27:35, 27:41 and 27:78 and the B*15:129, 18:02 and 38:22 and in the C*07:05 alleles. Specific PCR product of 185 bp in the B*27:60 allele.

¹⁰Primer mix 12: Specific PCR product of 210 bp in the B*27:74 allele. Specific PCR product of 310 bp in the B*27:43 and the B*35:113, 39:62, 44:98 and 46:27 alleles. Specific PCR product of 425 bp in the B*27:13 allele.

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Lot No.: 10N**Lot-specific information**

¹¹Primer mix 13: Specific PCR product of 215 bp in the B*27:47 allele. Specific PCR product of 370 bp in the B*27:12 and 27:16 and in the B*40:75² alleles. Specific PCR product of 400 bp in the B*27:16 and B*27:53 alleles.

¹²Primer mix 14: Specific PCR product of 120 bp in the B*27:34 and the B*40:02:07, 40:06:02 and 57:03:02 and in the C*02:23 and C*02:36 alleles. Specific PCR product of 345 bp in the B*27:17 allele.

¹³Primer mix 15: Specific PCR product of 250 bp in the B*27:73 allele. Specific PCR product of 370 bp in the B*27:18 and 27:29 and the B*18:01:01-18:06, 18:08-18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:68, 37:01:01-37:20, 37:22-37:25, 37:27-37:31, 40:02:01-40:02:02, 40:02:04-40:06:04, 40:09²-40:11:02², 40:14:01²-40:15², 40:18²-40:19², 40:20, 40:21²-40:22N², 40:24²-40:27:01², 40:28²-40:38², 40:39, 40:42²-40:50², 40:52²-40:58², 40:62²-40:65², 40:67², 40:69², 40:70, 40:71², 40:72:02², 40:74², 40:76², 40:78², 40:80²-40:88², 40:89, 40:90²-40:93², 40:94, 40:95²-40:96², 40:97, 40:98²-40:102², 40:104²-40:105², 40:107²-40:121², 40:122, 40:123², 40:124:02²-40:137², 40:141², 40:142N-40:144N, 40:145², 40:148²-40:149², 40:151², 40:154², 40:156²-40:161², 40:163²-40:165², 40:167²-40:177² and 47:01:01-47:08 alleles.

¹⁴Primer mix 16: Specific PCR product of 155 bp in the B*27:68 and the B*15:201 alleles. Specific PCR product of 245 bp in the B*27:19 and 27:30 and the B*07:12, 07:14, 07:18:01-07:18:02, 07:137, 13:01:01-13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 13:36, 13:39, 13:43, 13:50-13:52, 35:15, 35:33, 35:88, 40:04, 40:30, 40:34, 40:59, 40:64, 40:68, 40:99, 40:120, 40:129, 40:137, 40:160, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 48:17, 57:13 and 57:25 and in the C*03:34, C*15:42, C*17:01:07 alleles.

¹⁵Primer mix 17: Specific PCR product of 100 bp in the B*27:14 and 27:81 and the B*44:20, 44:47, 44:100, 51:85 and 52:26 alleles. Specific PCR product of 310 bp in the B*27:51 allele.

¹⁶Primer mix 18: Specific PCR product of 95 bp in the B*27:32 and the 07:28, 07:118, 08:14, 44:54, 44:106 and 44:135 alleles. Specific PCR product of 175 bp in the B*27:24 and the B*40:31, 40:45, 40:80, 48:01:01-48:01:03, 48:04, 48:06-48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27 and 81:01-81:05 alleles. Specific PCR product of 415 bp in the B*27:49 allele.

¹⁷Primer mix 19: Specific PCR fragment of 95 bp in the B*27:35 and the B*38:22 alleles. Specific PCR fragment of 240 bp in the B*27:25, 27:38, 27:47, 27:50, 27:63 and 27:76 and the B*15:129 alleles.

¹⁸Primer mix 20: Specific PCR fragment of 95 bp in the B*27:09 allele. Specific PCR fragment of 175 bp in the B*27:36 and the B*48:21 and 48:26 alleles. Specific PCR fragment of 215 bp in the B*27:25 and 27:45 and the B*15:129 alleles. Specific PCR fragment of 345 bp in the B*27:69 and the B*15:227, 37:23 and 51:32 alleles.

¹⁹Primer mix 21: Specific PCR fragment of 110 bp in the B*27:04:01, 27:04:02²-27:04:03², 27:06, 27:24-27:25, 27:39, 27:66N and 27:68-27:69 alleles. Specific PCR fragment of 160 bp in the B*27:39 allele.

²⁰Primer mix 22: Specific PCR fragment of 165 bp in the B*27:55 allele. Specific PCR fragment of 195 bp in the B*27:37 and the B*18:43 alleles. Specific PCR fragment of 235 bp in the B*27:15, 27:28, 27:62 and 27:71 and the B*18:02 and in the C*07:05 alleles. Specific PCR fragment of 375 bp in the B*27:26 and 27:31 and the B*40:166² and 82:01-82:03 alleles.

²¹Primer mix 24: Specific PCR fragment of 105 bp in the B*27:18 and 27:29 and the B*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 18:37, 37:28, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 40:12, 40:46, 40:93, 42:11, 44:40, 44:44, 44:130, 48:01:01-48:05, 48:07-48:27, 52:16 and 55:18 alleles. Specific PCR fragment of 260 bp in the B*27:28 and 27:62 and the B*18:02 alleles.

²²Primer mix 26: Specific PCR fragment of 105 bp in the B*27:52 allele. Specific PCR fragment of 145 bp in the B*27:64N allele. Specific PCR fragment of 235 bp in the B*27:72 allele.

²³Primer mix 27: Specific PCR fragment of 225 bp in the B*27:66N allele. Specific PCR fragment of 290 bp in the B*27:58 allele. Specific PCR fragment of 320 bp in the B*27:57 and the B*37:27 alleles.

²⁴Primer mix 28: Specific PCR fragment of 145 bp in the B*27:64N and the B*40:118N alleles. Specific PCR fragment of 325 bp in the B*27:48 allele.

²⁵Primer mix 29: Specific PCR fragment of 70 bp in the B*27:54 allele. Specific PCR fragment of 105 bp in the B*27:67 allele. Specific PCR fragment of 210 bp in the B*27:74 allele.

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Lot-specific information

²⁶Primer mix 30: Specific PCR fragment of 160 bp in the B*27:59N allele. Specific PCR fragment of 240 bp in the B*27:72 and 27:73 alleles.

²⁷Primer mix 31: Specific PCR fragment of 125 bp in the B*27:65N and in the A*24:185N alleles. Specific PCR fragment of 160 bp in the B*27:56 allele.

²⁸Primer mix 32: Specific PCR fragment of 90 bp in the B*27:32 and 27:70 and the B*07:28, 07:118, 08:14, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 40:124:02, 44:41:01, 44:54, 44:65, 44:106 and 44:135 and in the C*02:07 alleles. Specific PCR fragment of 370 bp in the B*27:85 allele.

‘w’, might be weakly amplified.

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

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Lot No.: **10N**

Lot-specific information

INTERPRETATION TABLE																
HLA-B*27 SSP subtyping																
Amplification patterns of the B*27:01 to B*27:86 alleles																
	Well ⁶															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		425 310	400 370	345	370	245
Length of int.	800	800	1070	1070	1070	800	1070	1070	1070	800	1070	1070	800	800	1070	1070
pos. control ¹																
5'-primer(s) ²	72	72	167	97	72	72	72	363	363	363	412	14	72	72	72	355
	5' -gCT 3'	5' -gCT 3'	5' -gCT 3'	5' -TCC 3'	5' -gCT 3'	5' -gCT 3'	5' -gCT 3'	5' -AAT 3'	5' -AAT 3'	5' -AAT 3'	5' -ATA 3'	5' -ggA 3'	5' -gCT 3'	5' -gCT 3'	5' -gCT 3'	5' -TCA 3'
												104	363	409	351	662
												5' -CTT 3'	5' -AAT 3'	5' -ggC 3'	5' -CAA 3'	5' -CCT 3'
												385				
												5' -ggT 3'				
3'-primer(s) ³	292	309	247	301	301	317	311	418	527	409	559	272	272	248	272	559
	5' -gTA 3'	5' -ATC 3'	5' -ATg 3'	5' -gTC 3'	5' -gCT 3'	5' -ggA 3'	5' -ggT 3'	5' -gTC 3'	5' -CCT 3'	5' -ATA 3'	5' -CTC 3'	5' -TgC 3'	5' -TgC 3'	5' -AAA 3'	5' -Tgg 3'	5' -CTC 3'
	292				302					419		3 ^d I	301	486	559	774
	5' -gTA 3'				5' -ggC 3'					5' -Cgg 3'		5' -TAT 3'	5' -gTC 3'	5' -gCT 3'	5' -CTC 3'	5' -ggT 3'
													538			
										5' -CgA 3'			5' -gTC 3'			
										505						
										5' -gCC 3'						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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Lot-specific information

INTERPRETATION TABLE																															
HLA-B*27 SSP subtyping																															
Amplification patterns of the B*27:01 to B*27:86 alleles																															
Well ⁶																															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																
100	100	100	100	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)															
310	175	95	175	160	195		260		145	290	325	105	240	160	370																
			345		375				235	320		210				Length of int. pos. control ¹ 5'-primer(s) ²															
			215		235																										
800	800	800	800	1070	800	800	1070	1070	1070	1070	1070	1070	800	1070	1070	3'-primer(s) ³															
72	72	363	363	167	72	363	206	418	206	72	72	104	167	232	72	Well No															
5' -gCT 3'	5' -gCT 3'	5' -AAT 3'	5' -AAT 3'	5' -gCT 3'	5' -gCT 3'	5' -AAT 3'	5' -AgA 3'	5' -AgT 3'	5' -gAC 3'	5' -gCT 3'	5' -gCT 3'	5' -CTT 3'	5' -gCT 3'	5' -AgT 3'	5' -gCT 3'																
357	363		3 rd I	704	363		363		367	363	454	209	351	363	369																
5' -Tgg 3'	5' -AgC 3'		5' -Agg 3'	5' -Tgg 3'	5' -AAT 3'		5' -AAT 3'		5' -TgA 3'	5' -AAT 3'	5' -ACT 3'	5' -ggC 3'	5' -CAA 3'	5' -AAT 3'	5' -TAC 3'																
									454			363	367																		
									5' -ACT 3'			5' -AAT 3'	5' -TgA 3'																		
212	316	419	418	287	97	559	272	463	272	221	227	272	286	317	274																
5' -gCT 3'	5' -gAA 3'	5' -CgA 3'	5' -gTg 3'	5' -TCA 3'	5' -gTA 3'	5' -CTC 3'	5' -Tgg 3'	5' -gCT 3'	5' -TgC 3'	5' -ACC 3'	5' -CTC 3'	5' -TgC 3'	5' -CTA 3'	5' -ggA 3'	5' -CTg 3'																
418	418	559	499	774	280		583		559	547	559	391	559	482	418																
5' -gTC 3'	5' -gTC 3'	5' -CAG 3'	5' -ggA 3'	5' -ggT 3'	5' -CTg 3'		5' -gTg 3'		5' -CTC 3'	5' -gTg 3'	5' -CTC 3'	5' -CCg 3'	5' -CTC 3'	5' -TgC 3'	5' -gTC 3'																
	499	572	539		488					613																					
	5' -ggA 3'	5' -gCg 3'	5' -TCC 3'		5' -CCA 3'					5' -gCA 3'																					
			872		559																										
5' -TCA 3'					5' -CgT 3'																										
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																

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Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele ^{4,5}																
*27:01	1					6		8								
*27:02:01-27:02:02, 27:75, 27:77, 27:83		2				6		8								
*27:03			3	4		6		8								
*27:04:01					5	6		8	9							
*27:04:02-27:04:03					5	6		8	9							
*27:05:02-27:05:03, 27:05:05- 27:05:17, 27:80, 27:82, 27:84				4		6		8								
*27:05:04				4				8								
*27:06					5	6			9	10						
*27:07				4		6					11					
*27:08					5		7	8								
*27:09				4		6										
*27:10				4		6		8	9							
*27:11					5	6					11					
*27:12					5		7	8					13			
*27:13				4		6		8				12				
*27:14, 27:81				4		6										
*27:15					5	6		8	9							
*27:16				4		6		8					13			
*27:17				4		6		8						14		
*27:18	1				5		7	8	9						15	
*27:19				4		6										16
*27:20					5	6			9		11					
*27:21					5	6										
*27:23	1				5	6		8								
*27:24					5	6					11					
*27:25					5	6		8	w							
*27:26					5		7	8								
*27:27				4		6					11					
*27:28				4		6		8								
*27:29	1			4		6		8							15	
*27:30		2				6										16
*27:31					5	6		8								
*27:32				4		6										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.	
310	175	240	175	160	195		260		145	290	325	105	240	160	370	PCR product(s)	
	415		215		235				235	320		210					
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
																HLA-B allele ^{4,5}	
						23										*27:01	
						23										*27:02:01-27:02:02, 27:75, 27:77, 27:83	
						23										*27:03	
				21		23										*27:04:01	
				?		23										*27:04:02-27:04:03	
						23										*27:05:02-27:05:03, 27:05:05- 27:05:17, 27:80, 27:82, 27:84	
						23										*27:05:04	
				21		23										*27:06	
																*27:07	
						23										*27:08	
			20			23										*27:09	
						23										*27:10	
																*27:11	
						23										*27:12	
						23										*27:13	
17																*27:14, 27:81	
					22											*27:15	
						23										*27:16	
						23										*27:17	
						23	24									*27:18	
																*27:19	
						23										*27:20	
																*27:21	
						23										*27:23	
	18			21												*27:24	
		19	20	21												*27:25	
					22	23										*27:26	
						23										*27:27	
					22		24									*27:28	
						23	24									*27:29	
																*27:30	
					22	23										*27:31	
	18														32	*27:32	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	

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Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*27:33					5		7				11					
*27:34				4		6								14		
*27:35				4		6				10						
*27:36					5	6		8								
*27:37						6		8								
*27:38				4		6		8								
*27:39				4		6		8								
*27:40					5		7	8	9							
*27:41				4		6				10						
*27:42							7	8								
*27:43				4		6					11	12				
*27:44	1				5		7	8								
*27:45				4		6		8								
*27:46				4		6										
*27:47				4		6		8					13			
*27:48				4		6		8								
*27:49				4		6		8								
*27:50				4		6		8								
*27:51				4		6		8								
*27:52				4		6		8								
*27:53		2				6		8					13			
*27:54				4		6		8	9							
*27:55				4		6		8								
*27:56				4		6		8								
*27:57		2				6		8								
*27:58				4		6		8								
*27:59N				4		6		8								
*27:60				4		6		8		10						
*27:61					5	6		8								
*27:62		2				6		8								
*27:63					5	6		8	9							
*27:64N				4		6		8								
*27:65N		2				6		8								
*27:66N					5	6		8	9							
*27:67				4		6		8								
*27:68					5	6		8	9							16
*27:69					5	6		8	9							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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 “Instructions for Use” (IFU)

Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)
310	175	240	175	160	195		260		145	290	325	105	240	160	370	
	415		215		235				235	320		210				
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*27:33
																*27:34
		19				23										*27:35
			20			23										*27:36
					22	23										*27:37
		19														*27:38
				21		23										*27:39
						23										*27:40
						23										*27:41
						23										*27:42
																*27:43
						23										*27:44
			20			23										*27:45
						23		25								*27:46
		19														*27:47
						23				28						*27:48
	18					23										*27:49
		19				23										*27:50
17						23										*27:51
						23		26								*27:52
						23										*27:53
						23						29				*27:54
				22		23										*27:55
						23							31			*27:56
						23				27						*27:57
						23				27						*27:58
						23						30				*27:59N
						23										*27:60
						23										*27:61
				22		24										*27:62
		19														*27:63
						23		26		28						*27:64N
						23							31			*27:65N
				21		23				27						*27:66N
						23					29					*27:67
				21		23										*27:68
			20	21		23										*27:69
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*27:70				4		6										
*27:71				4		6		8								
*27:72				4		6		8								
*27:73				4		6		8							15	
*27:74				4		6		8				12				
*27:76				4		6										
*27:78				4		6				10						
*27:79, 27:86					5	6		8	9							
*27:85				4		6		8								
*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, 07:138, 07:140, 08:40, 13:02:01-13:02:12, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37-13:38, 13:40-13:42, 13:44- 13:45, 13:47, 13:49N, 35:31, 39:47, 39:50, 40:01:01-40:01:23, 40:07, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152- 40:153, 40:155N, 41:19, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81- 51:82, 51:93, 52:08, 55:09, 55:22, 55:24, 58:27																
*07:12, 07:14, 07:18:01-07:18:02, 13:01:03, 13:26, 13:51, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 57:13, 57:25, C*03:34, C*15:42, C*17:01:07																16
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)
310	175	240	175	160	195		260		145	290	325	105	240	160	370	
	415		215		235				235	320		210				
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
															32	*27:70
					22											*27:71
						23			26				30			*27:72
						23							30			*27:73
						23						29				*27:74
		19														*27:76
						23		25								*27:78
						23										*27:79, 27:86
						23									32	*27:85
																*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, 07:138, 07:140, 08:40, 13:02:01-13:02:12, 13:08Q-13:09, 13:11, 13:14-13:16, 13:18-13:19, 13:27, 13:30-13:33, 13:37-13:38, 13:40-13:42, 13:44- 13:45, 13:47, 13:49N, 35:31, 39:47, 39:50, 40:01:01-40:01:23, 40:07, 40:16, 40:23, 40:40, 40:66, 40:72:01, 40:73, 40:77, 40:79, 40:138-40:140, 40:146-40:147, 40:150, 40:152- 40:153, 40:155N, 41:19, 44:31, 51:10, 51:16, 51:31, 51:34, 51:81- 51:82, 51:93, 52:08, 55:09, 55:22, 55:24, 58:27
																*07:12, 07:14, 07:18:01-07:18:02, 13:01:03, 13:26, 13:51, 15:201, 35:15, 35:33, 40:59, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 57:13, 57:25, C*03:34, C*15:42, C*17:01:07
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 42:11, 44:40, 44:44, 44:130, 48:02:01-48:02:02, 48:08, 48:23, 48:25, 52:16, 55:18																
*07:28, 07:118, 08:14, 44:54, 44:106, 44:135																
*07:137, 13:01:01-13:01:02, 13:01:04- 13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 35:88											11					16
*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 44:41:01, 44:65, C*02:07																
*15:129									w	10						
*15:227, 51:32																
*18:01:01, 18:01:03-18:01:14, 18:04- 18:06, 18:08, 18:10-18:15, 18:17N- 18:24, 18:26-18:28, 18:30-18:32, 18:34-18:36, 18:38-18:42, 18:44- 18:48, 18:50-18:53, 18:55-18:66, 18:68, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02	1				5		7								15	
*18:01:02, 18:03					5		7								15	
*18:02	1				5		7			10					15	
*18:07:01-18:07:02, 18:29, 35:01:23, 35:42:01-35:42:02	1				5		7									
*18:09, 37:10, 47:01:01:01-47:01:02, 47:06-47:08	1					6									15	
*18:37	1				5		7								15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)	
310	175	240	175	160	195		260		145	290	325	105	240	160	370		
	415		215		235				235	320		210					
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
							24									*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 42:11, 44:40, 44:44, 44:130, 48:02:01-48:02:02, 48:08, 48:23, 48:25, 52:16, 55:18	
	18														32	*07:28, 07:118, 08:14, 44:54, 44:106, 44:135	
																*07:137, 13:01:01-13:01:02, 13:01:04- 13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25, 13:28-13:29, 13:36, 13:39, 13:43, 13:50, 13:52, 35:88	
															32	*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 44:41:01, 44:65, C*02:07	
		19	20													*15:129	
			20													*15:227, 51:32	
																*18:01:01, 18:01:03-18:01:14, 18:04- 18:06, 18:08, 18:10-18:15, 18:17N- 18:24, 18:26-18:28, 18:30-18:32, 18:34-18:36, 18:38-18:42, 18:44- 18:48, 18:50-18:53, 18:55-18:66, 18:68, 37:11, 40:02:10, 40:03, 40:05, 40:20, 40:39, 40:89, 47:02	
																*18:01:02, 18:03	
					22		24									*18:02	
																*18:07:01-18:07:02, 18:29, 35:01:23, 35:42:01-35:42:02	
																*18:09, 37:10, 47:01:01:01-47:01:02, 47:06-47:08	
							24									*18:37	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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 “Instructions for Use” (IFU)

Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*18:43	1				5		7								15	
*18:49, 37:05	1						7								15	
*18:54, 37:01:01-37:01:08, 37:03N-37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25, 37:30N-37:31	1			4		6									15	
*18:67	1	2				6									15	
*35:113, 39:62, 44:98, 46:27												12				
*37:02	1			4		6		8							15	
*37:14, 37:29, 47:03	1				5	6									15	
*37:21, 37:26	1			4		6										
*37:23	1			4		6									15	
*37:27	1			4		6									15	
*37:28	1			4		6									15	
*38:22										10						
*40:02:01-40:02:02, 40:02:04-40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:12, 40:06:01:01-40:06:01:02, 40:06:03-40:06:04, 40:70, 40:94, 40:97, 40:122, 40:142N-40:144N	1				5		7				11				15	
*40:02:03, 40:08	1				5		7				11					
*40:02:07, 40:06:02	1				5		7				11			14	15	
*40:04	1				5		7				11				15	16
*40:09, 40:18, 40:24, 40:26, 40:28, 40:32-40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:131, 40:133Q, 40:159, 40:163, 40:172, 40:174	?				?		?								?	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)
310	175	240	175	160	195		260		145	290	325	105	240	160	370	
	415		215		235				235	320		210				
			345		375											Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
					22											
																*18:43
																*18:49, 37:05
																*18:54, 37:01:01-37:01:08, 37:03N- 37:04:02, 37:06-37:09, 37:12-37:13, 37:15-37:20, 37:22, 37:24-37:25, 37:30N-37:31
																*18:67
																*35:113, 39:62, 44:98, 46:27
						23										*37:02
																*37:14, 37:29, 47:03
																*37:21, 37:26
			20													*37:23
										27						*37:27
							24									*37:28
	19															*38:22
																*40:02:01-40:02:02, 40:02:04- 40:02:06, 40:02:08-40:02:09, 40:02:11-40:02:12, 40:06:01:01- 40:06:01:02, 40:06:03-40:06:04, 40:70, 40:94, 40:97, 40:122, 40:142N- 40:144N
																*40:02:03, 40:08
																*40:02:07, 40:06:02
																*40:04
																*40:09, 40:18, 40:24, 40:26, 40:28, 40:32-40:33, 40:42, 40:44, 40:52, 40:63, 40:71, 40:92, 40:98, 40:131, 40:133Q, 40:159, 40:163, 40:172, 40:174
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*40:10:01-40:11:02, 40:14:01-40:15, 40:21-40:22N, 40:25, 40:27:01, 40:29, 40:35-40:36, 40:38, 40:48-40:49, 40:53-40:58, 40:62, 40:65, 40:67, 40:69, 40:72:02, 40:74, 40:78, 40:81-40:88, 40:90-40:91, 40:95, 40:100-40:102, 40:104-40:105, 40:107-40:108, 40:111-40:116, 40:119, 40:121, 40:123, 40:125-40:128, 40:130, 40:132, 40:134, 40:136, 40:141, 40:145, 40:148-40:149, 40:151, 40:154, 40:156, 40:158, 40:161, 40:164-40:165, 40:167-40:171, 40:173, 40:175-40:177	?				?		?				11				?	
*40:12, 48:03:01-48:03:02, 48:05, 48:10, 48:12-48:14											11					
*40:13		2				6					11					
*40:19, 40:117		?				?					11				?	
*40:27:02, 40:61, 40:103, 40:106, 40:162	?				?		?				11					
*40:30, 40:34, 40:64, 40:99, 40:129, 40:137, 40:160	?				?		?				11				?	16
*40:31	?				?		?								?	
*40:37, 40:135	?						?				11				?	
*40:43, 40:50	1				?		?				11				?	
*40:45, 40:80	?				?		?				11				?	
*40:46, 40:93	?				?		?				11				?	
*40:47, 40:96, 40:110, 40:157	?					?					11				?	
*40:68	?				?		?				11					16
*40:75	?				?		?				11		?			
*40:76	?				?						11				?	
*40:109	?	?				?					11				?	
*40:118N	?				?		?				11				?	
*40:120	?				?		?								?	16
*40:124:02	?				?		?								?	
*40:166					?		?				11					
*44:20, 44:47, 44:100, 51:85, 52:26																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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 “Instructions for Use” (IFU)

Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec.
310	175	240	175	160	195		260		145	290	325	105	240	160	370	PCR product(s)
	415		215		235				235	320		210				
			345		375											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*40:10:01-40:11:02, 40:14:01-40:15, 40:21-40:22N, 40:25, 40:27:01, 40:29, 40:35-40:36, 40:38, 40:48-40:49, 40:53-40:58, 40:62, 40:65, 40:67, 40:69, 40:72:02, 40:74, 40:78, 40:81-40:88, 40:90-40:91, 40:95, 40:100-40:102, 40:104-40:105, 40:107-40:108, 40:111-40:116, 40:119, 40:121, 40:123, 40:125-40:128, 40:130, 40:132, 40:134, 40:136, 40:141, 40:145, 40:148-40:149, 40:151, 40:154, 40:156, 40:158, 40:161, 40:164-40:165, 40:167-40:171, 40:173, 40:175-40:177
							24									*40:12, 48:03:01-48:03:02, 48:05, 48:10, 48:12-48:14
																*40:13
																*40:19, 40:117
																*40:27:02, 40:61, 40:103, 40:106, 40:162
																*40:30, 40:34, 40:64, 40:99, 40:129, 40:137, 40:160
18																*40:31
																*40:37, 40:135
18																*40:43, 40:50
																*40:45, 40:80
							24									*40:46, 40:93
																*40:47, 40:96, 40:110, 40:157
																*40:68
																*40:75
																*40:76
																*40:109
										28						*40:118N
																*40:120
															32	*40:124:02
					?											*40:166
17																*44:20, 44:47, 44:100, 51:85, 52:26
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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 “Instructions for Use” (IFU)

Lot No.: **10N**

Lot-specific information

Length of spec.	390	405	120	245	400	415	410	95	205	90	190	210	215	120	250	155
PCR product(s)										185		310	370	345	370	245
												425	400			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*47:04-47:05	1					6		8							15	
*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18- 48:20, 48:22, 48:24, 48:27											11					
*48:06, 81:01-81:05											11					
*48:17																16
*48:21											11					
*48:26								8								
*57:03:02, C*02:23, C*02:36														14		
*82:01-82:03					5		7									
A*23:23																
A*24:185N																
C*07:05										10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B*27 subtyping.

In addition, wells number 2, 6, 10, 13, 14, 17 to 20, 22, 23 and 30 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

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

²The nucleotide position, in the 1st, 2nd, 3rd and 4th exon or the 3rd intron, 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, in the 2nd, 3rd or 4th exon or the 3rd intron, matching the specificity-determining 3'-end of the primer is given in the anti-sense direction. Nucleotide numbering as on the www.ebi.ac.uk/imgt/hla web site. The sequence of the 3 terminal nucleotides of the primer is given.

⁴The sequence of the B*27051 allele has been shown to be identical to B*27:05:02.

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

⁵HLA-B*27 alleles in bold lettering are listed as confirmed alleles on the on the IMGT/HLA web page www.ebi.ac.uk/imgt/hla, release 3.6.0, October 2011.

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Lot No.: **10N**

Lot-specific information

100	95	95	95	110	165	235	105	85	105	225	145	70	160	125	90	Length of spec. PCR product(s)	
310	175	240	175	160	195		260		145	290	325	105	240	160	370		
	415		215		235				235	320		210					
			345		375												
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
						23										*47:04-47:05	
	18						24									*48:01:01-48:01:03, 48:04, 48:07, 48:09, 48:11, 48:15-48:16, 48:18- 48:20, 48:22, 48:24, 48:27	
	18															*48:06, 81:01-81:05	
							24									*48:17	
			20			23	24									*48:21	
			20			23	24									*48:26	
																*57:03:02, C*02:23, C*02:36	
					22											*82:01-82:03	
								25								A*23:23	
														31		A*24:185N	
					22											C*07:05	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	

⁶Primer mix 10: Specific PCR product of 90 bp in the B*27:06, 27:35, 27:41 and 27:78 and the B*15:129, 18:02 and 38:22 and in the C*07:05 alleles. Specific PCR product of 185 bp in the B*27:60 allele.

Primer mix 12: Specific PCR product of 210 bp in the B*27:74 allele. Specific PCR product of 310 bp in the B*27:43 and the B*35:113, 39:62, 44:98 and 46:27 alleles. Specific PCR product of 425 bp in the B*27:13 allele.

Primer mix 13: Specific PCR product of 215 bp in the B*27:47 allele. Specific PCR product of 370 bp in the B*27:12 and 27:16 and in the B*40:75⁷ alleles. Specific PCR product of 400 bp in the B*27:16 and B*27:53 alleles.

Primer mix 14: Specific PCR product of 120 bp in the B*27:34 and the B*40:02:07, 40:06:02 and 57:03:02 and in the C*02:23 and C*02:36 alleles. Specific PCR product of 345 bp in the B*27:17 allele.

Primer mix 15: Specific PCR product of 250 bp in the B*27:73 allele. Specific PCR product of 370 bp in the B*27:18 and 27:29 and the B*18:01:01-18:06, 18:08-18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:68, 37:01:01-37:20, 37:22-37:25, 37:27-37:31, 40:02:01-40:02:02, 40:02:04-40:06:04, 40:09²-40:11:02², 40:14:01²-40:15², 40:18²-40:19², 40:20, 40:21²-40:22N², 40:24²-40:27:01², 40:28²-40:38², 40:39, 40:42²-40:50², 40:52²-40:58², 40:62²-40:65², 40:67², 40:69², 40:70, 40:71², 40:72:02², 40:74², 40:76², 40:78², 40:80²-40:88², 40:89, 40:90²-40:93², 40:94, 40:95²-40:96², 40:97, 40:98²-40:102², 40:104²-40:105², 40:107²-40:121², 40:122, 40:123², 40:124:02²-40:137², 40:141², 40:142N-40:144N, 40:145², 40:148²-40:149², 40:151², 40:154², 40:156²-40:161², 40:163²-40:165², 40:167²-40:177² and 47:01:01:01-47:08 alleles.

Primer mix 16: Specific PCR product of 155 bp in the B*27:68 and the B*15:201 alleles. Specific PCR product of 245 bp in the B*27:19 and 27:30 and the B*07:12, 07:14, 07:18:01-07:18:02, 07:137, 13:01:01-13:01:06, 13:07N, 13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 13:36, 13:39, 13:43, 13:50-13:52, 35:15, 35:33, 35:88, 40:04, 40:30, 40:34, 40:59, 40:64, 40:68, 40:99, 40:120, 40:129, 40:137, 40:160, 44:16, 44:21, 44:64:01-44:64:02, 44:124, 48:17, 57:13 and 57:25 and in the C*03:34, C*15:42, C*17:01:07 alleles.

Primer mix 17: Specific PCR product of 100 bp in the B*27:14 and 27:81 and the B*44:20, 44:47, 44:100, 51:85 and 52:26 alleles. Specific PCR product of 310 bp in the B*27:51 allele.

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Lot-specific information

Primer mix 18: Specific PCR product of 95 bp in the B*27:32 and the 07:28, 07:118, 08:14, 44:54, 44:106 and 44:135 alleles. Specific PCR product of 175 bp in the B*27:24 and the B*40:31, 40:45, 40:80, 48:01:01-48:01:03, 48:04, 48:06-48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27 and 81:01-81:05 alleles. Specific PCR product of 415 bp in the B*27:49 allele.

Primer mix 19: Specific PCR fragment of 95 bp in the B*27:35 and the B*38:22 alleles. Specific PCR fragment of 240 bp in the B*27:25, 27:38, 27:47, 27:50, 27:63 and 27:76 and the B*15:129 alleles.

Primer mix 20: Specific PCR fragment of 95 bp in the B*27:09 allele. Specific PCR fragment of 175 bp in the B*27:36 and the B*48:21 and 48:26 alleles. Specific PCR fragment of 215 bp in the B*27:25 and 27:45 and the B*15:129 alleles. Specific PCR fragment of 345 bp in the B*27:69 and the B*15:227, 37:23 and 51:32 alleles.

Primer mix 21: Specific PCR fragment of 110 bp in the B*27:04:01, 27:04:02[?]-27:04:03[?], 27:06, 27:24-27:25, 27:39, 27:66N and 27:68-27:69 alleles. Specific PCR fragment of 160 bp in the B*27:39 allele.

Primer mix 22: Specific PCR fragment of 165 bp in the B*27:55 allele. Specific PCR fragment of 195 bp in the B*27:37 and the B*18:43 alleles. Specific PCR fragment of 235 bp in the B*27:15, 27:28, 27:62 and 27:71 and the B*18:02 and in the C*07:05 alleles. Specific PCR fragment of 375 bp in the B*27:26 and 27:31 and the B*40:166[?] and 82:01-82:03 alleles.

Primer mix 24: Specific PCR fragment of 105 bp in the B*27:18 and 27:29 and the B*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:61-15:62, 15:64, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 18:37, 37:28, 38:03, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39, 39:49, 40:12, 40:46, 40:93, 42:11, 44:40, 44:44, 44:130, 48:01:01-48:05, 48:07-48:27, 52:16 and 55:18 alleles. Specific PCR fragment of 260 bp in the B*27:28 and 27:62 and the B*18:02 alleles.

Primer mix 26: Specific PCR fragment of 105 bp in the B*27:52 allele. Specific PCR fragment of 145 bp in the B*27:64N allele. Specific PCR fragment of 235 bp in the B*27:72 allele.

Primer mix 27: Specific PCR fragment of 225 bp in the B*27:66N allele. Specific PCR fragment of 290 bp in the B*27:58 allele. Specific PCR fragment of 320 bp in the B*27:57 and the B*37:27 alleles.

Primer mix 28: Specific PCR fragment of 145 bp in the B*27:64N and the B*40:118N alleles. Specific PCR fragment of 325 bp in the B*27:48 allele.

Primer mix 29: Specific PCR fragment of 70 bp in the B*27:54 allele. Specific PCR fragment of 105 bp in the B*27:67 allele. Specific PCR fragment of 210 bp in the B*27:74 allele.

Primer mix 30: Specific PCR fragment of 160 bp in the B*27:59N allele. Specific PCR fragment of 240 bp in the B*27:72 and 27:73 alleles.

Primer mix 31: Specific PCR fragment of 125 bp in the B*27:65N and in the A*24:185N alleles. Specific PCR fragment of 160 bp in the B*27:56 allele.

Primer mix 32: Specific PCR fragment of 90 bp in the B*27:32 and 27:70 and the B*07:28, 07:118, 08:14, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:233, 40:124:02, 44:41:01, 44:54, 44:65, 44:106 and 44:135 and in the C*02:07 alleles. Specific PCR fragment of 370 bp in the B*27:85 allele.

‘w’, might be weakly amplified.

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

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Lot No.: **10N**

Lot-specific information

CELL LINE VALIDATION SHEET																					
HLA-B*27 SSP subtyping kit																					
					Well ¹																
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Prod. No.:		201294501	201294502	201294503	201294504	201294505	201294506	201294507	201294508	201294509	201294510	201294511	201294512	201294513	201294514	201294515	201294516
	IHWC cell line		B*																		
1	9001	SA	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280	LK707	*52:01	*73:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9011	E4181324	*52:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275	GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*37:01		+	-	-	+	-	+	-	-	-	-	-	-	-	-	-	+	-
6	9353	SM	*39:01	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020	QBL	*18:01		+	-	-	-	+	-	+	-	-	-	-	-	-	-	-	+	-
8	9025	DEU	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9025	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹The C*07:05 allele is amplified by primer mixes 10 and 22 in the 9257/32367 cell line.

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Lot No.: **10N**

Lot-specific information

CELL LINE VALIDATION SHEET																															
HLA-B*27 SSP subtyping kit																															
					Well ¹																										
						17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32										
				Prod. No.:		201294517	201294518	201294519	201294520	201294521	201294522	201294523	201294524	201294525	201294526	201294527	201294528	201294529	201294530	201294531	201294532										
	IHWC cell line		B*																												
1	9001	SA	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
2	9280	LK707	*52:01	*73:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
3	9011	E4181324	*52:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4	9275	GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
5	9009	KAS011	*37:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
6	9353	SM	*39:01	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
7	9020	QBL	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
8	9025	DEU	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
13	9025	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										

¹The C*07:05 allele is amplified by primer mixes 10 and 22 in the 9257/32367 cell line.

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
 101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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 “Instructions for Use” (IFU)

Lot No.: **10N**

Lot-specific information

CERTIFICATE OF ANALYSIS

Olerup SSP® HLA-B*27 SSP

Product number: 101.521-24/04 – including *Taq* pol.
 101. 521-24u/04u – without *Taq* pol.
Lot number: 10N
Expiry date: 2014-July-01
Number of tests: 24 test – Product No. 101.521-24/24u
 4 tests – Product No. 101.521-04/04u
Number of wells per test: 32

Well specifications:

Well No.	Production No.	Well No.	Production No.	Well No.	Production No.
1	2011-945-01	13	2011-945-13	25	2011-945-25
2	2011-945-02	14	2011-945-14	26	2011-945-26
3	2011-945-03	15	2011-945-15	27	2011-945-27
4	2011-945-04	16	2011-945-16	28	2011-945-28
5	2011-945-05	17	2011-945-17	29	2011-945-29
6	2011-945-06	18	2011-945-18	30	2011-945-30
7	2011-945-07	19	2011-945-19	31	2011-945-31
8	2011-945-08	20	2011-945-20	32	2011-945-32
9	2011-945-09	21	2011-945-21		
10	2011-945-10	22	2011-945-22		
11	2011-945-11	23	2011-945-23		
12	2011-945-12	24	2011-945-24		

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

No DNAs carrying the alleles to be amplified by primer solutions 12, 19 and 25 to 31 were available. The specificities of the primers in primer solutions 12, 19, 25, 26 and 28 to 31 were tested by separately adding additional 5'-primers, respectively additional 3'-primers. In primer solution 27 it was only possible to test the 5'-primers, the 3'-primers were not possible to test. In primer solutions 10, 13, 14, 17, 18, 20 to 22 and 28 to 32 one of the 3'-primers was not possible to test. In primer solutions 12, 15, 16, 26, 28, 29, 30 and 31 one or two of the 5'-primers were not possible to test.

Additional primers in primer solutions 10, 13 to 18, 20 to 22 and 32 were tested by separately adding one additional 5'-primer and /or one additional 3'-primer.

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

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Lot No.: **10N**

Lot-specific information

Date of approval: 2012-January-23

Approved by:

Production Quality Control

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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Lot No.: **10N**

Lot-specific information

Declaration of Conformity

Product name: Olerup SSP® HLA-B*27

Product number: 101.521-24/04
101.521-24u/04u

Lot number: 10N

Intended use: HLA-B*27 high resolution histocompatibility testing

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

We, Olerup SSP AB, hereby declare that this product, to which this Declaration of Conformity relates is in conformity with the following Standard(s) and other normative document(s) ISO 9001:2008 and ISO 13485:2003, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex II List B, conformity assessed using Annex IV, as transposed into the national laws of the Member States of the European Union.

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

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

Stockholm, Sweden
2012-January-23

Ann-Cathrin Jareman
Head of QA and Regulatory Affairs

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
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Lot No.: **10N**

Lot-specific information

101.521-24/04 – including *Taq* polymerase, IFU-01 Rev. No. 03
101.521-24u/04u – without *Taq* polymerase, IFU-02 Rev. No. 03

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

Lot No.: **10N**

Lot-specific information

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