

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

Olerup SSP® HLA-B*08

Product number:	101.513-24/04 – including <i>Taq</i> pol. 101.513-24u/04u – without <i>Taq</i> pol.
Lot number:	35S
Expiry date:	2016-February-01
Number of tests:	24 tests – Product No. 101.513-24/24u 4 tests – Product No. 101.513-04/04u
Number of wells per test:	48
Storage - pre-aliquoted primers:	dark at -20°C
- PCR Master Mix:	-20°C
- Adhesive PCR seals	RT
- Product Insert	RT

This Product Description is only valid for Lot No. 35S.

CHANGES COMPARED TO THE PREVIOUS OLERUP SSP® HLA-B*08 Lot (15R)

The HLA-B*08 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*08 including and without *Taq* polymerase is now described in one common Product Insert.

¹As described in section Uniquely Identified Alleles.

The HLA-B*08 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup SSP®* HLA-B*08 lot was made (Lot No. 15R).

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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
8	Removed	Removed	5'-primer and 3'-primer removed for improved specificity.
32	Removed	-	5'-primer removed for improved yield of HLA-specific PCR product.
34	-	Added	3'-primer added for the B*08:59:02 allele.
36	Added	-	5'-primer added for the B*08:100 allele.
42	Added	-	5'-primer added for the B*08:100 allele.

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PRODUCT DESCRIPTION

HLA-B*08 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*08:01 to B*08:106 alleles.

PLATE LAYOUT

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

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48

The 48 well cut PCR plate is marked with ‘HLA-B*08’ in silver/gray ink.

Well No. 1 is marked with the Lot No. ‘35S’.

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 48 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*08 SSP subtypings will be influenced by several B*07 alleles, four B*13, two B*14, several B*15, seven B*18, three B*27, most B*35, three B*37, six B*38, several B*39, several B*40, most B*41, the B*42, twelve B*44, the B*45:09, the B*46:12 allele, four B*48, two B*49 alleles, most B*51, six B*52, most B*53, three B*54, six B*55, the B*56:16 allele, eight B*57, the B*58:12 allele, the B*59, the B*67:02 allele, the B*73, most B*78 and the B*83:01 allele when present on the other haplotype. In addition, the C*02:60 allele will be amplified by primer mix 43, the C*05:30 allele will be amplified by primer mix 23, the C*07:68, C*07:140 and C*07:151 alleles will be amplified by primer mix 25, the C*07:124 and C*07:155 alleles will be amplified by primer mix 3 and the C*07:209 allele will be amplified by primer mix 29.

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UNIQUELY IDENTIFIED ALLELES

All the HLA-B*08 alleles, i.e. **B*08:01 to B*08:106**, recognized by the HLA Nomenclature Committee in January 2013^{1,2} will be amplified by the primers in the HLA-B*08 subtyping kit.

The HLA-B*08 kit enables separation of the confirmed HLA-B*08 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources. Current allele confirmation status for HLA-B*08 alleles is listed below.

The HLA-B*08 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*08 subtyping primer set cannot distinguish the silent mutations in the B*08:01:01-08:01:20, the B*08:12:01-08:12:03, the B*08:53:01-08:53:02, the B*08:56:01-08:56:02 or the 08:59:01-08:59:02 alleles.

The B*08:11 and 08:76 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 13.

The B*08:21 and 08:47 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

The B*08:41 and 08:48 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 37.

The B*08:45 and 08:59:01-08:59:02 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 34.

The B*08:51 and 08:57 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

The B*08:58 and 08:61 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

The B*08:68 and 08:69 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 45.

¹HLA-B alleles listed on the IMGT/HLA web page 2013-January-11, release 3.11.0, www.ebi.ac.uk/imgt/hla.

²The HLA-B*08 primer set cannot separate the B*08:94 and the B*35:87 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*35 high resolution kit.

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ALLELE CONFIRMATION STATUS

Allele	Status ¹	Allele	Status ¹	Allele	Status ¹	Allele	Status ¹
B*08:01:01	Confirmed	B*08:21	Unconfirmed	B*08:59:01	Confirmed	B*08:98	Unconfirmed
B*08:01:02	Confirmed	B*08:22	Unconfirmed	B*08:59:02	Unconfirmed	B*08:99	Unconfirmed
B*08:01:03	Unconfirmed	B*08:23	Confirmed	B*08:60	Unconfirmed	B*08:100	Confirmed
B*08:01:04	Confirmed	B*08:24	Confirmed	B*08:61	Unconfirmed	B*08:101	Unconfirmed
B*08:01:05	Confirmed	B*08:25	Confirmed	B*08:62	Confirmed	B*08:102	Unconfirmed
B*08:01:06	Unconfirmed	B*08:26	Unconfirmed	B*08:63	Confirmed	B*08:103	Unconfirmed
B*08:01:07	Confirmed	B*08:27	Unconfirmed	B*08:64	Unconfirmed	B*08:104	Unconfirmed
B*08:01:08	Confirmed	B*08:28	Confirmed	B*08:65	Unconfirmed	B*08:105	Unconfirmed
B*08:01:09	Unconfirmed	B*08:29	Unconfirmed	B*08:66	Unconfirmed	B*08:106	Unconfirmed
B*08:01:10	Confirmed	B*08:30N	Unconfirmed	B*08:67N	Unconfirmed		
B*08:01:11	Unconfirmed	B*08:31	Unconfirmed	B*08:68	Unconfirmed		
B*08:01:12	Unconfirmed	B*08:32	Unconfirmed	B*08:69	Unconfirmed		
B*08:01:13	Confirmed	B*08:33	Unconfirmed	B*08:70	Confirmed		
B*08:01:14	Unconfirmed	B*08:34	Unconfirmed	B*08:71	Unconfirmed		
B*08:01:15	Confirmed	B*08:35	Confirmed	B*08:72N	Unconfirmed		
B*08:01:16	Unconfirmed	B*08:36	Unconfirmed	B*08:73	Unconfirmed		
B*08:01:17	Unconfirmed	B*08:37	Confirmed	B*08:74	Unconfirmed		
B*08:01:18	Unconfirmed	B*08:38	Unconfirmed	B*08:75	Unconfirmed		
B*08:01:19	Unconfirmed	B*08:39	Confirmed	B*08:76	Unconfirmed		
B*08:01:20	Unconfirmed	B*08:40	Confirmed	B*08:77	Unconfirmed		
B*08:02	Confirmed	B*08:41	Confirmed	B*08:78	Unconfirmed		
B*08:03	Confirmed	B*08:42	Unconfirmed	B*08:79	Unconfirmed		
B*08:04	Confirmed	B*08:43	Unconfirmed	B*08:80	Unconfirmed		
B*08:05	Unconfirmed	B*08:44	Unconfirmed	B*08:81	Unconfirmed		
B*08:07	Unconfirmed	B*08:45	Unconfirmed	B*08:82N	Unconfirmed		
B*08:08N	Confirmed	B*08:46	Unconfirmed	B*08:83	Unconfirmed		
B*08:09	Confirmed	B*08:47	Confirmed	B*08:84	Unconfirmed		
B*08:10	Unconfirmed	B*08:48	Unconfirmed	B*08:85	Unconfirmed		
B*08:11	Unconfirmed	B*08:49	Unconfirmed	B*08:86N	Unconfirmed		
B*08:12:01	Confirmed	B*08:50	Unconfirmed	B*08:87	Unconfirmed		
B*08:12:02	Unconfirmed	B*08:51	Unconfirmed	B*08:88	Unconfirmed		
B*08:12:03	Confirmed	B*08:52	Confirmed	B*08:89	Unconfirmed		
B*08:13	Confirmed	B*08:53:01	Confirmed	B*08:90	Unconfirmed		
B*08:14	Unconfirmed	B*08:53:02	Unconfirmed	B*08:91	Unconfirmed		
B*08:15	Unconfirmed	B*08:54	Unconfirmed	B*08:92	Unconfirmed		
B*08:16	Confirmed	B*08:55	Unconfirmed	B*08:93	Unconfirmed		
B*08:17	Unconfirmed	B*08:56:01	Confirmed	B*08:94	Unconfirmed		
B*08:18	Confirmed	B*08:56:02	Unconfirmed	B*08:95	Unconfirmed		
B*08:19N	Unconfirmed	B*08:57	Unconfirmed	B*08:96	Unconfirmed		
B*08:20	Confirmed	B*08:58	Unconfirmed	B*08:97	Unconfirmed		

¹ Allele status “confirmed” or “unconfirmed” as listed on the IMGT/HLA web page 2013-January-11, release 3.11.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HOMO- AND HETEROZYGOTES

A total of 131 alleles generate 73 amplification patterns that can be combined in 2701 homozygous and heterozygous combinations. 1372 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products were not considered in these calculations

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+-----+-----+-----+-----+-----+-----	*08:26, *08:26 = *08:26, *08:94
+-----+-----+-----+-----+-----+-----	*08:50, *08:50 = *08:50, *08:94
+-----+-----+-----+-----+-----+-----	*08:50, *08:62 = *08:62, *08:94
+--+-----+-----+-----+-----+-----+-----	*08:65, *08:65 = *08:65, *08:85
+--+-----+-----+-----+-----+-----+-----	*08:50, *08:85 = *08:85, *08:94
+--+-----+-----+-----+-----+-----+-----	*08:04, *08:04 = *08:04, *08:85
+++-----+-----+-----+-----+-----+-----	*08:66, *08:66 = *08:66, *08:95
+++-----+-----+-----+-----+-----+-----	*08:56:01, *08:56:01 = *08:56:01, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:01:01 = *08:01:01, *08:74 = *08:01:01,
	*08:85 = *08:01:01, *08:95 = *08:74, *08:85 = *08:74,
	*08:95 = *08:85, *08:95
+++-----+-----+-----+-----+-----+-----	*08:31, *08:31 = *08:31, *08:74
+++-----+-----+-----+-----+-----+-----	*08:28, *08:28 = *08:28, *08:74
+++-----+-----+-----+-----+-----+-----	*08:14, *08:14 = *08:14, *08:74
+++-----+-----+-----+-----+-----+-----	*08:07, *08:07 = *08:07, *08:74
-++-----+-----+-----+-----+-----+-----	*08:13, *08:55 = *08:55, *08:55
-++-----+-----+-----+-----+-----+-----	*08:13, *08:25 = *08:25, *08:25
-++-----+-----+-----+-----+-----+-----	*08:12:01, *08:16 = *08:16, *08:16
-++-----+-----+-----+-----+-----+-----	*08:70, *08:70 = *08:70, *08:79
-++-----+-----+-----+-----+-----+-----	*08:20, *08:20 = *08:20, *08:79
-++-----+-----+-----+-----+-----+-----	*08:40, *08:40 = *08:40, *08:79
+--+-----+-----+-----+-----+-----+-----	*08:50, *08:65 = *08:65, *08:94
+--+-----+-----+-----+-----+-----+-----	*08:04, *08:50 = *08:04, *08:94
++-----+-----+-----+-----+-----+-----	*08:15, *08:50 = *08:15, *08:94
++-----+-----+-----+-----+-----+-----	*08:50, *08:52 = *08:52, *08:94
++-----+-----+-----+-----+-----+-----	*08:03, *08:03 = *08:03, *08:52
++-----+-----+-----+-----+-----+-----	*08:02, *08:50 = *08:02, *08:94
+++-----+-----+-----+-----+-----+-----	*08:26, *08:56:01 = *08:26, *08:95 = *08:56:01, *08:94
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:82N = *08:74, *08:82N = *08:82N, *08:82N
	= *08:82N, *08:85 = *08:82N, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:72N = *08:72N, *08:72N = *08:72N, *08:74
	= *08:72N, *08:85 = *08:72N, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:66 = *08:66, *08:74 = *08:66, *08:85
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:68 = *08:68, *08:68 = *08:68, *08:74 =
	*08:68, *08:85 = *08:68, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:65 = *08:01:01, *08:67N = *08:65, *08:67N =
	*08:65, *08:74 = *08:65, *08:95 = *08:67N, *08:67N =
	*08:67N, *08:74 = *08:67N, *08:85 = *08:67N, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:64 = *08:64, *08:64 = *08:64, *08:74 =
	*08:64, *08:85 = *08:64, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:63 = *08:63, *08:63 = *08:63, *08:74 =
	*08:63, *08:85 = *08:63, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:62 = *08:62, *08:74 = *08:62, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:56:01 = *08:56:01, *08:74 = *08:56:01,
	*08:85
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:46 = *08:46, *08:46 = *08:46, *08:74 =
	*08:46, *08:85 = *08:46, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:58 = *08:58, *08:58 = *08:58, *08:74 =
	*08:58, *08:85 = *08:58, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:41 = *08:41, *08:41 = *08:41, *08:74 =
	*08:41, *08:85 = *08:41, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:53:01 = *08:53:01, *08:53:01 = *08:53:01,
	*08:74 = *08:53:01, *08:85 = *08:53:01, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:51 = *08:51, *08:51 = *08:51, *08:74 =
	*08:51, *08:85 = *08:51, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:45 = *08:45, *08:45 = *08:45, *08:74 =
	*08:45, *08:85 = *08:45, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:42 = *08:42, *08:42 = *08:42, *08:74 =
	*08:42, *08:85 = *08:42, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:34 = *08:34, *08:34 = *08:34, *08:74 =
	*08:34, *08:85 = *08:34, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:33 = *08:33, *08:33 = *08:33, *08:74 =

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+++-----	-----+-	-----	-----+--	-----	-----	*08:33, *08:85 = *08:33, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:32 = *08:32, *08:32 = *08:32, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:32, *08:85 = *08:32, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:31 = *08:31, *08:85 = *08:31, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:30N = *08:30N, *08:30N = *08:30N, *08:74
+++-----	-----+-	-----	-----+--	-----	-----	= *08:30N, *08:85 = *08:30N, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:29 = *08:29, *08:29 = *08:29, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:29, *08:85 = *08:29, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:28 = *08:01:01, *08:35 = *08:28, *08:35 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:28, *08:85 = *08:28, *08:95 = *08:35, *08:35 = *08:35,
+++-----	-----+-	-----	-----+--	-----	-----	*08:74 = *08:35, *08:85 = *08:35, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:50 = *08:01:01, *08:94 = *08:50, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:50, *08:95 = *08:74, *08:94
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:21 = *08:21, *08:21 = *08:21, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:21, *08:85 = *08:21, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:19N = *08:19N, *08:19N = *08:19N, *08:74
+++-----	-----+-	-----	-----+--	-----	-----	= *08:19N, *08:85 = *08:19N, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:18 = *08:18, *08:18 = *08:18, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:18, *08:85 = *08:18, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:38 = *08:38, *08:38 = *08:38, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:38, *08:85 = *08:38, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:44 = *08:44, *08:44 = *08:44, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:44, *08:85 = *08:44, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:15 = *08:01:01, *08:39 = *08:15, *08:39 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:15, *08:74 = *08:15, *08:85 = *08:15, *08:95 = *08:39,
+++-----	-----+-	-----	-----+--	-----	-----	*08:39 = *08:39, *08:74 = *08:39, *08:85 = *08:39, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:14 = *08:14, *08:85 = *08:14, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:13 = *08:13, *08:74 = *08:13, *08:85 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:13, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:12:01 = *08:01:01, *08:43 = *08:12:01,
+++-----	-----+-	-----	-----+--	-----	-----	*08:43 = *08:12:01, *08:74 = *08:12:01, *08:85 = *08:12:01,
+++-----	-----+-	-----	-----+--	-----	-----	*08:95 = *08:43, *08:43 = *08:43, *08:74 = *08:43, *08:85 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:43, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:11 = *08:01:01, *08:60 = *08:11, *08:11 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:11, *08:60 = *08:11, *08:74 = *08:11, *08:85 = *08:11,
+++-----	-----+-	-----	-----+--	-----	-----	*08:95 = *08:60, *08:74 = *08:60, *08:85 = *08:60, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:10 = *08:10, *08:10 = *08:10, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:10, *08:85 = *08:10, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:09 = *08:01:01, *08:27 = *08:09, *08:27 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:09, *08:74 = *08:09, *08:85 = *08:09, *08:95 = *08:27,
+++-----	-----+-	-----	-----+--	-----	-----	*08:27 = *08:27, *08:74 = *08:27, *08:85 = *08:27, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:08N = *08:08N, *08:08N = *08:08N, *08:74
+++-----	-----+-	-----	-----+--	-----	-----	= *08:08N, *08:85 = *08:08N, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:07 = *08:07, *08:85 = *08:07, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:07, *08:28 = *08:07, *08:37 = *08:28, *08:37 = *08:37,
+++-----	-----+-	-----	-----+--	-----	-----	*08:37 = *08:37, *08:74
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:79 = *08:79, *08:85 = *08:79, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:05 = *08:05, *08:05 = *08:05, *08:74 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:05, *08:85 = *08:05, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:04 = *08:01:01, *08:24 = *08:04, *08:24 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:04, *08:74 = *08:04, *08:95 = *08:24, *08:24 = *08:24,
+++-----	-----+-	-----	-----+--	-----	-----	*08:74 = *08:24, *08:85 = *08:24, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:23 = *08:01:01, *08:52 = *08:23, *08:23 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:23, *08:52 = *08:23, *08:74 = *08:23, *08:85 = *08:23,
+++-----	-----+-	-----	-----+--	-----	-----	*08:95 = *08:52, *08:74 = *08:52, *08:85 = *08:52, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:02 = *08:02, *08:74 = *08:02, *08:85 =
+++-----	-----+-	-----	-----+--	-----	-----	*08:02, *08:95
+++-----	-----+-	-----	-----+--	-----	-----	*08:12:01, *08:49 = *08:49, *08:60
+++-----	-----+-	-----	-----+--	-----	-----	*08:04, *08:17 = *08:17, *08:17 = *08:17, *08:85
+++-----	-----+-	-----	-----+--	-----	-----	*08:04, *08:54 = *08:54, *08:54 = *08:54, *08:85
+++-----	-----+-	-----	-----+--	-----	-----	*08:03, *08:50 = *08:03, *08:94
+++-----	-----+-	-----	-----+--	-----	-----	*08:01:01, *08:86N = *08:72N, *08:82N = *08:72N, *08:86N
+++-----	-----+-	-----	-----+--	-----	-----	= *08:74, *08:86N = *08:82N, *08:86N = *08:85, *08:86N =

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

+++-----	-----+	-----	-----+	-----	---+-----	*08:86N, *08:86N = *08:86N, *08:95
+++-----	-----+	-----	-----+	-----	---+-----	*08:65, *08:82N = *08:67N, *08:82N
+++-----	-----+	-----	-----+	-----	---+-----	*08:65, *08:72N = *08:67N, *08:72N
+++-----	-----+	-----	-----+	-----	---+-----	*08:65, *08:66 = *08:66, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:65, *08:68 = *08:67N, *08:68
+++-----	-----+	-----	-----+	-----	---+-----	*08:64, *08:65 = *08:64, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:63, *08:65 = *08:63, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:56:01, *08:65 = *08:56:01, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:46, *08:65 = *08:46, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:58, *08:65 = *08:58, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:41, *08:65 = *08:41, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:53:01, *08:65 = *08:53:01, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:01:01, *08:100 = *08:53:01, *08:63 = *08:53:01,
						*08:100 = *08:63, *08:100 = *08:74, *08:100 = *08:85,
						*08:100 = *08:95, *08:100 = *08:100, *08:100
+++-----	-----+	-----	-----+	-----	---+-----	*08:51, *08:65 = *08:51, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:45, *08:65 = *08:45, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:42, *08:65 = *08:42, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:34, *08:65 = *08:34, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:33, *08:65 = *08:33, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:32, *08:65 = *08:32, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:31, *08:65 = *08:31, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:30N, *08:65 = *08:30N, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:29, *08:65 = *08:29, *08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:82N = *08:35, *08:82N
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:72N = *08:35, *08:72N
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:66 = *08:35, *08:66
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:68 = *08:35, *08:68
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:65 = *08:28, *08:67N = *08:35, *08:65 = *08:35,
						*08:67N
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:64 = *08:35, *08:64
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:63 = *08:35, *08:63
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:62 = *08:35, *08:62
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:56:01 = *08:35, *08:56:01
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:46 = *08:35, *08:46
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:58 = *08:35, *08:58
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:41 = *08:35, *08:41
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:53:01 = *08:35, *08:53:01
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:51 = *08:35, *08:51
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:45 = *08:35, *08:45
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:42 = *08:35, *08:42
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:34 = *08:34, *08:35
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:33 = *08:33, *08:35
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:32 = *08:32, *08:35
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:30N = *08:30N, *08:35
+++-----	-----+	-----	-----+	-----	---+-----	*08:28, *08:29 = *08:29, *08:35
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:82N = *08:82N, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:72N = *08:72N, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:68 = *08:68, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:67N = *08:67N, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:64 = *08:64, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:63 = *08:63, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:01:01, *08:26 = *08:26, *08:74 = *08:50, *08:56:01
+++-----	-----+	-----	-----+	-----	---+-----	*08:46, *08:50 = *08:46, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:58 = *08:58, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:41, *08:50 = *08:41, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:53:01 = *08:53:01, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:50, *08:51 = *08:51, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:45, *08:50 = *08:45, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:42, *08:50 = *08:42, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:34, *08:50 = *08:34, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:33, *08:50 = *08:33, *08:94
+++-----	-----+	-----	-----+	-----	---+-----	*08:32, *08:50 = *08:32, *08:94

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+++-----	-----+	-----+	---+---+	-----	-----	*08:31, *08:50 = *08:31, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:30N, *08:50 = *08:30N, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:29, *08:50 = *08:29, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:28, *08:50 = *08:28, *08:94 = *08:35, *08:50 = *08:35, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:21, *08:65 = *08:21, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:21, *08:28 = *08:21, *08:35
+++-----	-----+	-----+	---+---+	-----	-----	*08:21, *08:50 = *08:21, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:19N, *08:65 = *08:19N, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:19N, *08:28 = *08:19N, *08:35
+++-----	-----+	-----+	---+---+	-----	-----	*08:19N, *08:50 = *08:19N, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:18, *08:65 = *08:18, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:18, *08:28 = *08:18, *08:35
+++-----	-----+	-----+	---+---+	-----	-----	*08:18, *08:50 = *08:18, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:38, *08:65 = *08:38, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:01:01, *08:22 = *08:22, *08:22 = *08:22, *08:30N = *08:22, *08:38 = *08:22, *08:74 = *08:22, *08:85 = *08:22, *08:95 = *08:30N, *08:38
+++-----	-----+	-----+	---+---+	-----	-----	*08:28, *08:38 = *08:35, *08:38
+++-----	-----+	-----+	---+---+	-----	-----	*08:38, *08:50 = *08:38, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:44, *08:65 = *08:44, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:28, *08:44 = *08:35, *08:44
+++-----	-----+	-----+	---+---+	-----	-----	*08:44, *08:50 = *08:44, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:82N = *08:39, *08:82N
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:72N = *08:39, *08:72N
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:66 = *08:39, *08:66
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:68 = *08:39, *08:68
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:65 = *08:15, *08:67N = *08:39, *08:65 = *08:39, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:64 = *08:39, *08:64
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:63 = *08:39, *08:63
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:56:01 = *08:39, *08:56:01
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:46 = *08:39, *08:46
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:58 = *08:39, *08:58
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:41 = *08:39, *08:41
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:53:01 = *08:39, *08:53:01
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:51 = *08:39, *08:51
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:45 = *08:39, *08:45
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:42 = *08:39, *08:42
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:34 = *08:34, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:33 = *08:33, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:32 = *08:32, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:31 = *08:31, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:30N = *08:30N, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:29 = *08:29, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:28 = *08:15, *08:35 = *08:28, *08:39 = *08:35, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:39, *08:50 = *08:39, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:21 = *08:21, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:19N = *08:19N, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:18 = *08:18, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:38 = *08:38, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:15, *08:44 = *08:39, *08:44
+++-----	-----+	-----+	---+---+	-----	-----	*08:14, *08:65 = *08:14, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:14, *08:50 = *08:14, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:14, *08:15 = *08:14, *08:39
+++-----	-----+	-----+	---+---+	-----	-----	*08:13, *08:65 = *08:13, *08:67N
+++-----	-----+	-----+	---+---+	-----	-----	*08:01:01, *08:55 = *08:13, *08:42 = *08:42, *08:55 = *08:55, *08:74 = *08:55, *08:85 = *08:55, *08:95
+++-----	-----+	-----+	---+---+	-----	-----	*08:13, *08:28 = *08:13, *08:35
+++-----	-----+	-----+	---+---+	-----	-----	*08:13, *08:50 = *08:13, *08:94
+++-----	-----+	-----+	---+---+	-----	-----	*08:01:01, *08:25 = *08:13, *08:21 = *08:21, *08:25 = *08:25, *08:74 = *08:25, *08:85 = *08:25, *08:95

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+++-----	-----++	-+-----	-----+	-----	-----	*08:13, *08:15 = *08:13, *08:39
+++-----	-----++	-----	-----+	-----	-----+	*08:12:01, *08:82N = *08:43, *08:82N
+++-----	-----++	-----	-----+	-----	-----+	*08:12:01, *08:72N = *08:43, *08:72N
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:66 = *08:43, *08:66
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:68 = *08:43, *08:68
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:65 = *08:12:01, *08:67N = *08:43, *08:65 = *08:43, *08:67N
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:64 = *08:43, *08:64
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:63 = *08:43, *08:63
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:62 = *08:43, *08:62
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:56:01 = *08:43, *08:56:01
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:46 = *08:43, *08:46
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:58 = *08:43, *08:58
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:41 = *08:41, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:53:01 = *08:43, *08:53:01
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:51 = *08:43, *08:51
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:45 = *08:43, *08:45
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:42 = *08:42, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:34 = *08:34, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:33 = *08:33, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:32 = *08:32, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:31 = *08:31, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:30N = *08:30N, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:29 = *08:29, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:28 = *08:12:01, *08:35 = *08:28, *08:43 = *08:35, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:50 = *08:12:01, *08:94 = *08:43, *08:50 = *08:43, *08:94
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:21 = *08:21, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:19N = *08:19N, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:18 = *08:18, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:38 = *08:38, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:01:01, *08:16 = *08:12:01, *08:44 = *08:16, *08:43 = *08:16, *08:44 = *08:16, *08:74 = *08:16, *08:85 = *08:16, *08:95 = *08:43, *08:44
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:15 = *08:12:01, *08:39 = *08:15, *08:43 = *08:39, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:12:01, *08:14 = *08:14, *08:43
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:82N = *08:60, *08:82N
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:72N = *08:60, *08:72N
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:66 = *08:60, *08:66
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:68 = *08:60, *08:68
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:65 = *08:11, *08:67N = *08:60, *08:65 = *08:60, *08:67N
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:64 = *08:60, *08:64
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:63 = *08:60, *08:63
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:62 = *08:60, *08:62
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:56:01 = *08:56:01, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:46 = *08:46, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:58 = *08:58, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:41 = *08:41, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:53:01 = *08:53:01, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:51 = *08:51, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:45 = *08:45, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:42 = *08:42, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:34 = *08:34, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:33 = *08:33, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:32 = *08:32, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:31 = *08:31, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:30N = *08:30N, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:29 = *08:29, *08:60
+++-----	-----++	-----	-----+	-----	-----	*08:11, *08:28 = *08:11, *08:35 = *08:28, *08:60 = *08:35, *08:60

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:50 = *08:11, *08:94 = *08:50, *08:60 = *08:60, *08:94
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:21 = *08:21, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:19N = *08:19N, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:18 = *08:18, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:38 = *08:38, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:44 = *08:44, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:15 = *08:11, *08:39 = *08:15, *08:60 = *08:39, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:14 = *08:14, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:11, *08:12:01 = *08:11, *08:43 = *08:43, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:65 = *08:10, *08:67N
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:28 = *08:10, *08:35
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:50 = *08:10, *08:94
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:15 = *08:10, *08:39
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:12:01 = *08:10, *08:43
+++-----	-----+-	-----+	-----+	-----	-----	*08:10, *08:11 = *08:10, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:82N = *08:27, *08:82N
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:72N = *08:27, *08:72N
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:66 = *08:27, *08:66
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:68 = *08:27, *08:68
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:65 = *08:09, *08:67N = *08:27, *08:65 = *08:27, *08:67N
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:64 = *08:27, *08:64
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:63 = *08:27, *08:63
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:62 = *08:27, *08:62
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:56:01 = *08:27, *08:56:01
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:46 = *08:27, *08:46
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:58 = *08:27, *08:58
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:41 = *08:27, *08:41
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:53:01 = *08:27, *08:53:01
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:51 = *08:27, *08:51
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:45 = *08:27, *08:45
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:42 = *08:27, *08:42
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:34 = *08:27, *08:34
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:33 = *08:27, *08:33
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:32 = *08:27, *08:32
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:31 = *08:27, *08:31
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:30N = *08:27, *08:30N
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:29 = *08:27, *08:29
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:28 = *08:09, *08:35 = *08:27, *08:28 = *08:27, *08:35
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:50 = *08:09, *08:94 = *08:27, *08:50 = *08:27, *08:94
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:21 = *08:21, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:19N = *08:19N, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:18 = *08:18, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:38 = *08:27, *08:38
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:44 = *08:27, *08:44
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:15 = *08:09, *08:39 = *08:15, *08:27 = *08:27, *08:39
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:14 = *08:14, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:43 = *08:12:01, *08:27 = *08:27, *08:43
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:11 = *08:11, *08:27 = *08:27, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:09, *08:10 = *08:10, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:65 = *08:08N, *08:67N
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:28 = *08:08N, *08:35
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:50 = *08:08N, *08:94
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:15 = *08:08N, *08:39
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:12:01 = *08:08N, *08:43
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:11 = *08:08N, *08:60
+++-----	-----+-	-----+	-----+	-----	-----	*08:08N, *08:09 = *08:08N, *08:27
+++-----	-----+-	-----+	-----+	-----	-----	*08:07, *08:65 = *08:07, *08:67N

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:37 = *08:07, *08:35 = *08:35, *08:37 =
+++-----+-----+-----+-----+-----+-----	*08:37, *08:85 = *08:37, *08:95
+++-----+-----+-----+-----+-----+-----	*08:07, *08:50 = *08:07, *08:94
+++-----+-----+-----+-----+-----+-----	*08:07, *08:15 = *08:07, *08:39
+++-----+-----+-----+-----+-----+-----	*08:07, *08:12:01 = *08:07, *08:43
+++-----+-----+-----+-----+-----+-----	*08:07, *08:89 = *08:28, *08:89 = *08:37, *08:89 = *08:74,
+++-----+-----+-----+-----+-----+-----	*08:89
+++-----+-----+-----+-----+-----+-----	*08:07, *08:11 = *08:07, *08:60
+++-----+-----+-----+-----+-----+-----	*08:07, *08:09 = *08:07, *08:27
+++-----+-----+-----+-----+-----+-----	*08:65, *08:79 = *08:67N, *08:79
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:70 = *08:64, *08:70 = *08:64, *08:79 =
+++-----+-----+-----+-----+-----+-----	*08:70, *08:74 = *08:70, *08:85 = *08:70, *08:95
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:20 = *08:20, *08:53:01 = *08:20, *08:74 =
+++-----+-----+-----+-----+-----+-----	*08:20, *08:85 = *08:20, *08:95 = *08:53:01, *08:79
+++-----+-----+-----+-----+-----+-----	*08:50, *08:79 = *08:79, *08:94
+++-----+-----+-----+-----+-----+-----	*08:15, *08:79 = *08:39, *08:79
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:40 = *08:08N, *08:40 = *08:08N, *08:79 =
+++-----+-----+-----+-----+-----+-----	*08:40, *08:74 = *08:40, *08:85 = *08:40, *08:95
+++-----+-----+-----+-----+-----+-----	*08:05, *08:65 = *08:05, *08:67N
+++-----+-----+-----+-----+-----+-----	*08:01:01, *08:36 = *08:05, *08:32 = *08:05, *08:36 =
+++-----+-----+-----+-----+-----+-----	*08:32, *08:36 = *08:36, *08:36 = *08:36, *08:74 = *08:36,
+++-----+-----+-----+-----+-----+-----	*08:85 = *08:36, *08:95
+++-----+-----+-----+-----+-----+-----	*08:05, *08:28 = *08:05, *08:35
+++-----+-----+-----+-----+-----+-----	*08:05, *08:50 = *08:05, *08:94
+++-----+-----+-----+-----+-----+-----	*08:05, *08:15 = *08:05, *08:39
+++-----+-----+-----+-----+-----+-----	*08:05, *08:12:01 = *08:05, *08:43
+++-----+-----+-----+-----+-----+-----	*08:05, *08:11 = *08:05, *08:60
+++-----+-----+-----+-----+-----+-----	*08:05, *08:09 = *08:05, *08:27
+++-----+-----+-----+-----+-----+-----	*08:04, *08:82N = *08:24, *08:82N
+++-----+-----+-----+-----+-----+-----	*08:04, *08:72N = *08:24, *08:72N
+++-----+-----+-----+-----+-----+-----	*08:04, *08:66 = *08:24, *08:66
+++-----+-----+-----+-----+-----+-----	*08:04, *08:68 = *08:24, *08:68
+++-----+-----+-----+-----+-----+-----	*08:04, *08:67N = *08:24, *08:65 = *08:24, *08:67N
+++-----+-----+-----+-----+-----+-----	*08:04, *08:64 = *08:24, *08:64
+++-----+-----+-----+-----+-----+-----	*08:04, *08:63 = *08:24, *08:63
+++-----+-----+-----+-----+-----+-----	*08:04, *08:56:01 = *08:24, *08:56:01
+++-----+-----+-----+-----+-----+-----	*08:04, *08:46 = *08:24, *08:46
+++-----+-----+-----+-----+-----+-----	*08:04, *08:58 = *08:24, *08:58
+++-----+-----+-----+-----+-----+-----	*08:04, *08:41 = *08:24, *08:41
+++-----+-----+-----+-----+-----+-----	*08:04, *08:53:01 = *08:24, *08:53:01
+++-----+-----+-----+-----+-----+-----	*08:04, *08:51 = *08:24, *08:51
+++-----+-----+-----+-----+-----+-----	*08:04, *08:45 = *08:24, *08:45
+++-----+-----+-----+-----+-----+-----	*08:04, *08:42 = *08:24, *08:42
+++-----+-----+-----+-----+-----+-----	*08:04, *08:34 = *08:24, *08:34
+++-----+-----+-----+-----+-----+-----	*08:04, *08:33 = *08:24, *08:33
+++-----+-----+-----+-----+-----+-----	*08:04, *08:32 = *08:24, *08:32
+++-----+-----+-----+-----+-----+-----	*08:04, *08:31 = *08:24, *08:31
+++-----+-----+-----+-----+-----+-----	*08:04, *08:30N = *08:24, *08:30N
+++-----+-----+-----+-----+-----+-----	*08:04, *08:29 = *08:24, *08:29
+++-----+-----+-----+-----+-----+-----	*08:04, *08:28 = *08:04, *08:35 = *08:24, *08:28 = *08:24,
+++-----+-----+-----+-----+-----+-----	*08:35
+++-----+-----+-----+-----+-----+-----	*08:24, *08:50 = *08:24, *08:94
+++-----+-----+-----+-----+-----+-----	*08:04, *08:21 = *08:21, *08:24
+++-----+-----+-----+-----+-----+-----	*08:04, *08:19N = *08:19N, *08:24
+++-----+-----+-----+-----+-----+-----	*08:04, *08:18 = *08:18, *08:24
+++-----+-----+-----+-----+-----+-----	*08:04, *08:38 = *08:24, *08:38
+++-----+-----+-----+-----+-----+-----	*08:04, *08:44 = *08:24, *08:44
+++-----+-----+-----+-----+-----+-----	*08:04, *08:15 = *08:04, *08:39 = *08:15, *08:24 = *08:24,
+++-----+-----+-----+-----+-----+-----	*08:39
+++-----+-----+-----+-----+-----+-----	*08:04, *08:14 = *08:14, *08:24
+++-----+-----+-----+-----+-----+-----	*08:04, *08:13 = *08:13, *08:24
+++-----+-----+-----+-----+-----+-----	*08:04, *08:12:01 = *08:04, *08:43 = *08:12:01, *08:24 =
+++-----+-----+-----+-----+-----+-----	*08:24, *08:43

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:11 = *08:04, *08:60 = *08:11, *08:24 = *08:24, *08:60
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:10 = *08:10, *08:24
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:09 = *08:04, *08:27 = *08:09, *08:24 = *08:24, *08:27
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:08N = *08:08N, *08:24
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:07 = *08:07, *08:24
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:79 = *08:24, *08:79
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:05 = *08:05, *08:24
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:82N = *08:52, *08:82N
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:72N = *08:52, *08:72N
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:66 = *08:52, *08:66
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:68 = *08:52, *08:68
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:65 = *08:23, *08:67N = *08:52, *08:65 = *08:52, *08:67N
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:64 = *08:52, *08:64
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:63 = *08:52, *08:63
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:56:01 = *08:52, *08:56:01
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:46 = *08:46, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:58 = *08:52, *08:58
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:41 = *08:41, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:53:01 = *08:52, *08:53:01
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:51 = *08:51, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:45 = *08:45, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:42 = *08:42, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:34 = *08:34, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:33 = *08:33, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:32 = *08:32, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:31 = *08:31, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:30N = *08:30N, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:29 = *08:29, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:28 = *08:23, *08:35 = *08:28, *08:52 = *08:35, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:50 = *08:23, *08:94
+++---+--	---+---+-	-----	-----+	-----	-----	*08:21, *08:23 = *08:21, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:19N, *08:23 = *08:19N, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:18, *08:23 = *08:18, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:38 = *08:38, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:44 = *08:44, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:15, *08:23 = *08:23, *08:39 = *08:39, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:14, *08:23 = *08:14, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:13, *08:23 = *08:13, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:12:01, *08:23 = *08:12:01, *08:52 = *08:23, *08:43 = *08:43, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:11, *08:23 = *08:11, *08:52 = *08:23, *08:60 = *08:52, *08:60
+++---+--	---+---+-	-----	-----+	-----	-----	*08:10, *08:23 = *08:10, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:09, *08:23 = *08:09, *08:52 = *08:23, *08:27 = *08:27, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:08N, *08:23 = *08:08N, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:07, *08:23 = *08:07, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:23, *08:79 = *08:52, *08:79
+++---+--	---+---+-	-----	-----+	-----	-----	*08:01:01, *08:03 = *08:03, *08:05 = *08:03, *08:23 = *08:03, *08:74 = *08:03, *08:85 = *08:03, *08:95 = *08:05, *08:23 = *08:05, *08:52
+++---+--	---+---+-	-----	-----+	-----	-----	*08:04, *08:23 = *08:04, *08:52 = *08:23, *08:24 = *08:24, *08:52
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:65 = *08:02, *08:67N
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:28 = *08:02, *08:35
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:12:01 = *08:02, *08:43
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:11 = *08:02, *08:60
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:09 = *08:02, *08:27
++++---+--	---+---+-	-----	-----+	-----	-----	*08:02, *08:04 = *08:02, *08:24

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S

Lot-specific information

+ + - - + - -	- - - - - + -	- - - + - + +	- - - - - + -	- - - - - - -	*08:17, *08:50 = *08:17, *08:94
+ + - - + - -	- - - - - + -	- - - + - + +	- - - - - + -	- - - - - - -	*08:50, *08:54 = *08:54, *08:94
+ + + - - - -	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - + +	*08:65, *08:86N = *08:67N, *08:86N
+ + + - - - -	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - - -	*08:65, *08:100 = *08:67N, *08:100
+ + + - - - -	- - - - - + -	- - - - - - -	+ - - - - - -	- - - - - + +	*08:28, *08:86N = *08:35, *08:86N
+ + + - - - -	- - - - - + -	- - - - - - -	+ - - - - + -	- - - + - - -	*08:28, *08:100 = *08:35, *08:100
+ + + - - - -	- - - - - + -	- - - - - + -	- - - - - + -	- - - - - + +	*08:50, *08:86N = *08:86N, *08:94
+ + + - - - -	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:50, *08:100 = *08:94, *08:100
+ + + - - - -	- - - - - + -	- - - - - + -	+ - - - - + -	- - - - - - -	*08:26, *08:28 = *08:26, *08:35
+ + + - - - -	- - - - - + -	- - - + - - -	- - - + - - -	- - - - - - -	*08:22, *08:65 = *08:22, *08:67N
+ + + - - - -	- - - - - + -	- - - + - - -	+ - - - - + -	- - - - - - -	*08:22, *08:28 = *08:22, *08:35
+ + + - - - -	- - - - - + -	- - - + - + -	- - - + - + -	- - - - - - -	*08:22, *08:50 = *08:22, *08:94
+ + + - - - -	- - - - - + -	- + - - - - -	- - - - - + -	- - - - - + +	*08:15, *08:86N = *08:39, *08:86N
+ + + - - - -	- - - - - + -	- + - - - - -	- - - - - + -	- - - + - - -	*08:15, *08:100 = *08:39, *08:100
+ + + - - - -	- - - - - + -	- + - + - - -	- - - + - + -	- - - - - - -	*08:15, *08:22 = *08:22, *08:39
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - + - - -	*08:55, *08:65 = *08:55, *08:67N
+ + + - - - -	- - - - - + +	- - - - - - -	+ - - - - + -	- - - - - - -	*08:28, *08:55 = *08:35, *08:55
+ + + - - - -	- - - - - + +	- - - - - + -	+ - - - - + -	- - - - - - -	*08:50, *08:55 = *08:55, *08:94
+ + + - - - -	- - - - - + +	- - - - - + -	- - - - - + -	- - - + - - -	*08:25, *08:65 = *08:25, *08:67N
+ + + - - - -	- - - - - + +	- - - - - + -	- - - - - + -	- - - - - - -	*08:21, *08:55 = *08:25, *08:42
+ + + - - - -	- - - - - + +	- - - - - + -	+ - - - - + -	- - - - - - -	*08:25, *08:28 = *08:25, *08:35
+ + + - - - -	- - - - - + +	- - - - - + +	- - - - - + -	- - - - - - -	*08:25, *08:50 = *08:25, *08:94
+ + + - - - -	- - - - - + +	- + - - - - -	- - - - - + -	- - - - - - -	*08:15, *08:55 = *08:39, *08:55
+ + + - - - -	- - - - - + +	- + - - - + -	- - - - - + -	- - - - - - -	*08:15, *08:25 = *08:25, *08:39
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - - - + +	*08:12:01, *08:86N = *08:43, *08:86N
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - + - - -	*08:12:01, *08:100 = *08:43, *08:100
+ + + - - - -	- - - - - + +	- - - - - + -	- - - - - + -	- - - - - + -	*08:12:01, *08:26 = *08:26, *08:43
+ + + - - - -	- - - - - + +	- - - + - - -	- - - + - + -	- - - - - - -	*08:12:01, *08:22 = *08:22, *08:43
+ + + - - - -	- - - - - + +	- - - + - - -	- - - - - + -	- - - - - + -	*08:16, *08:65 = *08:16, *08:67N
+ + + - - - -	- - - - - + +	- - - + - - -	+ - - - - + -	- - - - - - -	*08:16, *08:28 = *08:16, *08:35
+ + + - - - -	- - - - - + +	- - - + - + -	- - - - - + -	- - - - - - -	*08:16, *08:50 = *08:16, *08:94
+ + + - - - -	- - - - - + +	- - - + - - -	- - - - - + -	- - - - - - -	*08:15, *08:16 = *08:16, *08:39
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - - - + +	*08:11, *08:86N = *08:60, *08:86N
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - + - - -	*08:11, *08:100 = *08:60, *08:100
+ + + - - - -	- - - - - + +	- - - - - + -	- - - - - + -	- - - - - - -	*08:11, *08:26 = *08:26, *08:60
+ + + - - - -	- - - - - + +	- - - + - - -	- - - + - + -	- - - - - - -	*08:11, *08:22 = *08:22, *08:60
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - - - + -	*08:01:01, *08:49 = *08:11, *08:49 = *08:43, *08:49 =
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - - - - -	*08:49, *08:68 = *08:49, *08:85 = *08:49, *08:95
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - - - + +	*08:09, *08:86N = *08:27, *08:86N
+ + + - - - -	- - - - - + +	- - - - - - -	- - - - - + -	- - - + - - -	*08:09, *08:100 = *08:27, *08:100
+ + + - - - -	- - - - - + +	- - - - - + -	- - - - - + -	- - - - - - -	*08:09, *08:26 = *08:26, *08:27
+ + + - - - -	- - - - - + +	- - - + - - -	- - - + - + -	- - - - - - -	*08:09, *08:22 = *08:22, *08:27
+ + + - - - -	+ - - - - + -	- - - - - - -	+ - - - - + -	- - - - - + -	*08:37, *08:65 = *08:37, *08:67N
+ + + - - - -	+ - - - - + -	- - - - - + -	+ - - - - + -	- - - - - - -	*08:37, *08:50 = *08:37, *08:94
+ + + - - - -	+ - - - - + -	- + - - - - -	+ - - - - + -	- - - - - - -	*08:15, *08:37 = *08:37, *08:39
+ + + - - - -	+ - - - - + +	- - - - - + -	+ - - - - + -	- - - - - - -	*08:01:01, *08:89 = *08:12:01, *08:37 = *08:35, *08:89 =
+ + + - - - -	+ - - - - + +	- - - - - - -	+ - - - - + -	- - - - - - -	*08:37, *08:43 = *08:43, *08:89 = *08:85, *08:89 = *08:89,
+ + + - - - -	+ - - - - + +	- - - - - - -	+ - - - - + -	- - - - - - -	*08:95
+ + + - - - -	+ - - - - + -	- - - - - - -	+ - - - - + -	- - - - - - -	*08:11, *08:37 = *08:37, *08:60
+ + + - - - -	+ - - - - + -	- - - - - - -	+ - - - - + -	- - - - - - -	*08:09, *08:37 = *08:27, *08:37
+ + + - - - +	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - - -	*08:65, *08:70 = *08:67N, *08:70
+ + + - - - +	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - - -	*08:20, *08:65 = *08:20, *08:67N
+ + + - - - +	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - - -	*08:20, *08:64 = *08:53:01, *08:70
+ + + - - - +	- - - - - + -	- - - - - - -	- - - - - + -	- - - + - - -	*08:20, *08:63 = *08:20, *08:100 = *08:79, *08:100
+ + + - - - +	- - - - - + -	- - - - - - -	+ - - - - + -	- - - - - - -	*08:28, *08:70 = *08:35, *08:70
+ + + - - - +	- - - - - + -	- - - - - - -	+ - - - - + -	- - - - - - -	*08:20, *08:28 = *08:20, *08:35
+ + + - - - +	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:50, *08:70 = *08:70, *08:94
+ + + - - - +	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:20, *08:50 = *08:20, *08:94
+ + + - - - +	- - - - - + -	- + - - - - -	- - - - - + -	- - - + - - -	*08:15, *08:70 = *08:39, *08:70
+ + + - - - +	- - - - - + -	- + - - - - -	- - - - - + -	- - - + - - -	*08:15, *08:20 = *08:20, *08:39
+ + + - - - +	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:40, *08:65 = *08:40, *08:67N
+ + + - - - +	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:08N, *08:70 = *08:40, *08:64
+ + + - - - +	- - - - - + -	- - - - - + -	- - - - - + -	- - - + - - -	*08:08N, *08:20 = *08:40, *08:53:01

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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“Instructions for Use” (IFU)

Lot No.: 35S

Lot-specific information

+++---+ -+---+ - - - - - + - - - - -	*08:28, *08:40 = *08:35, *08:40
+++---+ -+---+ - - - - - + - - - - -	*08:40, *08:50 = *08:40, *08:94
+++---+ -+---+ -+---+ - - - - -	*08:15, *08:40 = *08:39, *08:40
+++---+ - - - - - + - - - - - + - - - -	*08:36, *08:65 = *08:36, *08:67N
+++---+ - - - - - + - - - - - + - - - -	*08:28, *08:36 = *08:35, *08:36
+++---+ - - - - - + - - - - - + - - - -	*08:36, *08:50 = *08:36, *08:94
+++---+ - - - - - + - - - - - + - - - -	*08:15, *08:36 = *08:36, *08:39
+++---+ - - - - - + - - - - - + - - - -	*08:12:01, *08:36 = *08:36, *08:43
+++---+ - - - - - + - - - - - + - - - -	*08:11, *08:36 = *08:36, *08:60
+++---+ - - - - - + - - - - - + - - - -	*08:09, *08:36 = *08:27, *08:36
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:86N = *08:24, *08:86N
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:100 = *08:24, *08:100
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:22 = *08:22, *08:24
+++---+ - - - - - + - - - - - + - - - -	*08:01:01, *08:17 = *08:17, *08:21 = *08:17, *08:24 =
+++---+ - - - - - + - - - - - + - - - -	*08:17, *08:38 = *08:17, *08:74 = *08:17, *08:95
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:55 = *08:24, *08:55
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:25 = *08:24, *08:25
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:16 = *08:16, *08:24
+++---+ + - - - - + - - - - + - - - - -	*08:04, *08:37 = *08:24, *08:37
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:70 = *08:24, *08:70
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:20 = *08:20, *08:24
+++---+ -+---+ - - - - - + - - - - -	*08:04, *08:40 = *08:24, *08:40
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:36 = *08:24, *08:36
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:86N = *08:52, *08:86N
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:100 = *08:52, *08:100
+++---+ - - - - - + - - - - - + - - - -	*08:22, *08:23 = *08:22, *08:52
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:55 = *08:52, *08:55
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:25 = *08:25, *08:52
+++---+ - - - - - + - - - - - + - - - -	*08:16, *08:23 = *08:16, *08:52
+++---+ + - - - - + - - - - + - - - - -	*08:23, *08:37 = *08:37, *08:52
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:70 = *08:52, *08:70
+++---+ - - - - - + - - - - - + - - - -	*08:20, *08:23 = *08:20, *08:52
+++---+ -+---+ - - - - - + - - - - -	*08:23, *08:40 = *08:40, *08:52
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:65 = *08:03, *08:67N
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:32 = *08:03, *08:36 = *08:23, *08:36 = *08:36,
+++---+ - - - - - + - - - - - + - - - -	*08:52
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:28 = *08:03, *08:35
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:12:01 = *08:03, *08:43
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:11 = *08:03, *08:60
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:09 = *08:03, *08:27
+++---+ - - - - - + - - - - - + - - - -	*08:01:01, *08:54 = *08:23, *08:54 = *08:24, *08:54 =
+++---+ - - - - - + - - - - - + - - - -	*08:38, *08:54 = *08:52, *08:54 = *08:54, *08:74 = *08:54,
+++---+ - - - - - + - - - - - + - - - -	*08:95
+++---+ - - - - - + - - - - - + - - - -	*08:03, *08:04 = *08:03, *08:24
+++---+ - - - - - + - - - - - + - - - -	*08:49, *08:65 = *08:49, *08:67N
+++---+ - - - - - + - - - - - + - - - -	*08:49, *08:50 = *08:49, *08:94
+++---+ - - - - - + - - - - - + - - - -	*08:15, *08:49 = *08:39, *08:49
+++---+ + - - - - + - - - - + - - - - -	*08:65, *08:89 = *08:67N, *08:89
+++---+ + - - - - + - - - - + - - - - -	*08:50, *08:89 = *08:89, *08:94
+++---+ + - - - - + - - - - + - - - - -	*08:16, *08:37 = *08:44, *08:89
+++---+ + - - - - + - - - - + - - - - -	*08:15, *08:89 = *08:39, *08:89
+++---+ - - - - - + - - - - - + - - - -	*08:17, *08:22 = *08:17, *08:30N
+++---+ - - - - - + - - - - - + - - - -	*08:17, *08:28 = *08:17, *08:35
+++---+ - - - - - + - - - - - + - - - -	*08:15, *08:17 = *08:17, *08:39
+++---+ - - - - - + - - - - - + - - - -	*08:13, *08:17 = *08:17, *08:25
+++---+ - - - - - + - - - - - + - - - -	*08:12:01, *08:17 = *08:17, *08:43
+++---+ - - - - - + - - - - - + - - - -	*08:11, *08:17 = *08:17, *08:60
+++---+ - - - - - + - - - - - + - - - -	*08:04, *08:49 = *08:24, *08:49
+++---+ - - - - - + - - - - - + - - - -	*08:09, *08:17 = *08:17, *08:27
+++---+ + - - - - + - - - - + - - - - -	*08:04, *08:89 = *08:24, *08:89
+++---+ - - - - - + - - - - - + - - - -	*08:23, *08:49 = *08:49, *08:52
+++---+ + - - - - + - - - - + - - - - -	*08:23, *08:89 = *08:52, *08:89
+++---+ - - - - - + - - - - - + - - - -	*08:22, *08:54 = *08:30N, *08:54

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:28, *08:54 = *08:35, *08:54
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:17, *08:23 = *08:17, *08:52 = *08:21, *08:54
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:15, *08:54 = *08:39, *08:54
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:12:01, *08:54 = *08:43, *08:54
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:11, *08:54 = *08:54, *08:60
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:09, *08:54 = *08:27, *08:54
+++---+--	-----+-	---+-----	+-----+	-----	-----	*08:03, *08:54 = *08:05, *08:54

*08:01:01= *08:01:01-08:01:20 and 08:71, 08:73, 08:75, 08:77, 08:80-08:81, 08:83, 08:88,
 08:90-08:93, 08:96-08:99, 08:101 and 08:104-08:106

*08:03 = *08:03 and 08:78

*08:09 = *08:09 and 08:84

*08:11 = *08:11 and 08:76

*08:12:01 = *08:12:01-08:12:03

*08:14 = *08:14 and 08:87

*08:21 = *08:21 and 08:47

*08:41 = *08:41 and *08:48

*08:45 = *08:45 and 08:59:01-08:59:02

*08:51 = *08:51 and *08:57

*08:53:01 = *08:53:01-08:53:02

*08:56:01 = *08:56:01-08:56:02

*08:58 = *08:58 and *08:61

*08:68 = *08:68 and *08:69

*08:74 = *08:74 and 08:103

*08:94 = *08:94 and 35:87

*08:95 = *08:95 and 08:102

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

SPECIFICITY TABLE

HLA-B*08 SSP subtyping

Specificities and sizes of the PCR products of the 48 primer mixes used for HLA-B*08 SSP subtyping

Primer Mix	Size of spec. PCR product ¹	Size of control band ²	Amplified HLA-B*08 alleles ³	Other amplified HLA Class I alleles ⁴
1	215 bp	800 bp	*08:01:01-08:05, 08:07-08:08N, 08:10-08:11, 08:14-08:15, 08:17-08:19N, 08:21-08:24, 08:26-08:39, 08:41-08:48, 08:50-08:54, 08:56:01-08:59:02, 08:61-08:69, 08:71-08:78, 08:80-08:83, 08:85-08:88, 08:90-08:106	*07:04, 07:19, 07:25, 07:146, 35:87, 37:09, 41:02:01-41:02:04, 41:04, 41:10-41:11, 41:13, 41:15, 41:18-41:19, 41:23-41:24, 42:01:01-42:02, 42:05:01-42:12, 42:14-42:18, 44:106, 44:158, 44:166
2	215 bp	800 bp	*08:01:01-08:03, 08:05, 08:07-08:16, 08:18-08:25, 08:27-08:49, 08:51-08:53:02, 08:55-08:61, 08:63-08:64, 08:66-08:84, 08:86N-08:93, 08:95-08:106	*15:180, 35:218, 51:68
3	245 bp	1070 bp	*08:01:01-08:01:20, 08:04-08:05, 08:07-08:14, 08:16-08:25, 08:27-08:49, 08:51, 08:53:01-08:61, 08:63-08:77, 08:79-08:93, 08:95-08:106	*07:29, 14:28, 15:142, 15:180, 35:218, 39:12, C*07:124 , C*07:155
4	255 bp	1070 bp	*08:02	*44:49, 44:156
5	245 bp	1070 bp	*08:03, 08:23, 08:52, 08:54, 08:78	*15:142, 35:218, 49:25, 51:68, 57:49
6⁶	205 bp	1070 bp	*08:04, 08:17, 08:24, 08:54	*15:142, 44:49, 44:156, 49:25
7^{6,9}	215 bp, 250 bp	1070 bp	*08:03, 08:05, 08:36, 08:78	*49:25, 51:68, 57:49
8⁷	170 bp	1070 bp	*08:20, 08:40, 08:70, 08:79	*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:90,

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot-specific information

				07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 13:18, 13:31, 13:41, 15:30, 15:58, 15:73, 15:150, 35:18, 35:44, 39:08, 39:11, 39:18, 39:33, 39:36, 40:15- 40:16, 40:23, 40:128, 40:161, 40:198, 48:05, 48:19, 51:05, 51:29, 51:54, 51:61:01- 51:61:02, 51:82, 52:21, 52:24, 54:10, 54:20, 55:09, 55:21, 55:37, 55:52, 57:02:01- 57:02:02, 57:12, 57:28N, 57:42
9	165 bp	1070 bp	*08:07, 08:37, 08:89	*07:04, 07:19, 07:25, 07:146, 15:51, 15:179, 15:199, 15:218Q, 18:56, 35:38, 35:115, 35:169, 37:09, 37:35, 41:04, 41:18, 41:21, 42:09, 42:16, 44:17, 44:51, 44:123, 45:09, 53:22, 57:24
10^{5,10}	85 bp, 170 bp	800 bp	*08:08N, 08:40	*27:83, 41:19
11	290 bp	800 bp	*08:09, 08:27, 08:84	*41:01, 41:05-41:07, 41:12, 41:14, 41:16-41:17, 41:20- 41:22, 41:25-41:26, 42:04, 55:20
12	385 bp	1070 bp	*08:10	*39:78
13^{5,11}	85 bp, 290 bp	1070 bp	*08:11, 08:49, 08:60, 08:76	*42:13, 53:15
14^{5,12}	115 bp, 280 bp	1070 bp	*08:12:01-08:12:03, 08:16, 08:43, 08:49, 08:89	*41:03:01-41:03:02, 42:13, 53:15
15⁵	75 bp	1070 bp	*08:01:01-08:05, 08:07-08:25, 08:27- 08:49, 08:50 ^w , 08:51- 08:55, 08:57-08:61, 08:62 ^w , 08:63-08:65, 08:67N-08:93, 08:96- 08:101, 08:103- 08:106	*07:29, 07:86 ^w , 14:11 ^w , 14:28, 15:03:01 ^w -15:03:04 ^w , 15:09 ^w - 15:10:02 ^w , 15:18:01 ^w - 15:18:05 ^w , 15:23 ^w , 15:29 ^w , 15:37 ^w , 15:47:01 ^w -15:47:02 ^w , 15:49 ^w , 15:51 ^w -15:52 ^w , 15:54 ^w , 15:61 ^w -15:62 ^w , 15:64:01 ^w -15:64:02 ^w , 15:69 ^w , 15:72 ^w , 15:74 ^w , 15:80 ^w , 15:90 ^w -15:91 ^w , 15:93 ^w , 15:98 ^w -15:99 ^w , 15:103 ^w ,

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 101.513-24u/04u – without *Taq* pol., IFU-02

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				15:108 ^W , 15:114 ^W -15:115 ^W , 15:119 ^W , 15:123 ^W -15:124 ^W , 15:127 ^W , 15:131 ^W -15:134 ^W , 15:151 ^W , 15:153 ^W , 15:156 ^W , 15:158 ^W , 15:161 ^W , 15:173 ^W , 15:176 ^W , 15:180, 15:186 ^W , 15:197 ^W -15:198 ^W , 15:200 ^W , 15:210 ^W , 15:220 ^W -15:221 ^W , 15:226N ^W , 15:229 ^W , 15:235 ^W , 15:238 ^W , 15:242 ^W -15:243 ^W , 15:251 ^W -15:253 ^W , 15:255 ^W , 15:263 ^W , 15:266 ^W , 18:25 ^W , 18:68 ^W , 35:25 ^W , 35:124 ^W - 35:125 ^W , 35:142 ^W , 38:33 ^W , 39:04 ^W , 40:12 ^W , 41:22 ^W , 44:156, 48:22 ^W , 49:25, 52:16 ^W , 52:27 ^W , 54:21 ^W , 56:16 ^W , 57:58 ^W , 58:12 ^W , 83:01 ^W
16⁵	105 bp	800 bp	*08:13, 08:25, 08:55	*27:83, 53:15
17⁵	95 bp	1070 bp	*08:14, 08:87	*07:28, 07:118, 27:32, 40:180, 44:54, 44:106, 44:135
18¹³	425 bp, 470 bp	800 bp	*08:15, 08:39	*07:13, 07:15, 07:92-07:93, 38:27, 39:27, 40:73, 67:02, 73:01-73:02
19¹⁴	245 bp, 415 bp	1070 bp	*08:16, 08:44	*07:13, 07:15, 07:160, 42:18, 67:02
20^{7,15}	140 bp, 205 bp	1070 bp	*08:17, 08:22, 08:38, 08:54	*15:142, 44:49, 44:156, 49:25
21	465 bp	1070 bp	*08:18	*07:102, 73:01-73:02
22	130 bp	800 bp	*08:19N	
23^{5,8,16}	85 bp, 235 bp	800 bp	*08:17, 08:21, 08:25, 08:47	*13:39, 15:57, 15:135, 35:27, 35:56, 35:185, 35:203, 41:17, 44:75, 53:15, 55:12, 78:06, C*05:30
24	215 bp	1070 bp	*08:26, 08:50, 08:94	*07:08, 07:32, 07:38, 15:08, 15:29, 15:56, 15:191, 15:236, 35:01:01:01-35:19, 35:21- 35:25, 35:27, 35:29:01-35:49, 35:51-35:62, 35:64:01-35:71, 35:74-35:75, 35:77, 35:79- 35:81, 35:83, 35:86-35:94, 35:96-35:134N, 35:136- 35:161, 35:163-35:185, 35:187-35:216N, 35:219-

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot-specific information

				35:225, 38:06-38:07, 39:58, 44:06, 48:06, 51:01:01-51:06:02, 51:08-51:21, 51:23-51:24:04, 51:26-51:46, 51:48-51:67, 51:69-51:102, 51:104-51:115, 51:117-51:127, 51:129-51:144, 51:146-51:150, 52:06:01-52:06:02, 53:01:01-53:08:02, 53:10-53:16, 53:18-53:27, 53:29, 59:01:01:01-59:05, 78:01:01-78:02:02, 78:04, 78:07
25	160 bp	1070 bp	*08:28, 08:35, 08:37, 08:89	*15:51, 15:179, 15:199, 15:218Q, 18:56, 35:115, 37:35, 41:24, 42:09, 44:17, 45:09, 51:97, 53:22, 57:24, C*07:68, C*07:140, C*07:151
26	390 bp	1070 bp	*08:29	
27^{5,17}	105 bp, 140 bp	1070 bp	*08:22, 08:30N	
28⁵	85 bp	1070 bp	*08:31	
29¹⁸	150 bp, 250 bp	1070 bp	*08:32, 08:36	*35:218, 51:68, C*07:209
30	280 bp	1070 bp	*08:33	
31	380 bp	1070 bp	*08:34	
32	230 bp	1070 bp	*08:01:01-08:05, 08:08N-08:13, 08:15-08:27, 08:29-08:30N, 08:32-08:36, 08:38-08:48, 08:50-08:73, 08:75-08:78, 08:80-08:86N, 08:88, 08:90-08:102, 08:104-08:106	*35:87, 41:01-41:03:02, 41:05, 41:07, 41:11-41:14, 41:16-41:17, 41:19-41:20, 41:22-41:26, 42:01:01-42:02, 42:04, 42:06-42:07, 42:10-42:13, 42:15, 42:17-42:18, 44:166, 55:20
33¹⁹	220 bp, 285 bp	800 bp	*08:42, 08:55	*38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76
34²⁰	210 bp, 305 bp	1070 bp	*08:45, 08:59:01-08:59:02	*40:228 [?]
35^{5,21}	120 bp, 205 bp	1070 bp	*08:51, 08:57	

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 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot-specific information

36^{5,22}	115 bp, 260 bp	800 bp	*08:20, 08:53:01- 08:53:02, 08:100	
37²³	155 bp, 270 bp	1070 bp	*08:41, 08:48	*35:192, 51:141
38²⁴	175 bp, 265 bp	1070 bp	*08:58, 08:61	
39⁸	190 bp	1070 bp	*08:46	
40	265 bp	1070 bp	*08:26, 08:56:01- 08:56:02	*07:56:01-07:56:02, 07:72, 38:28, 39:63, 40:21 [?] , 40:58 [?] , 40:137 [?] , 41:12, 49:03
41	215 bp	1070 bp	*08:62	*18:07:01-18:07:02, 18:29, 18:79, 27:23, 35:50, 35:84, 35:162, 35:217, 37:21, 40:07- 40:08, 40:13, 40:68, 40:106, 40:162, 40:220, 40:232, 51:103, 51:116
42	255 bp	1070 bp	*08:63, 08:100	
43²⁵	185 bp, 215 bp	800 bp	*08:64, 08:70	*07:55, 07:100, 07:113, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207, 46:12, 48:19, C*02:60
44²⁶	170 bp, 215 bp	1070 bp	*08:65, 08:67N	*14:28, 39:12
45^{5,27}	120 bp, 225 bp	1070 bp	*08:49, 08:68-08:69	*42:06
46	210 bp	1070 bp	*08:66	
47	245 bp	1070 bp	*08:72N, 08:86N	
48	255 bp	1070 bp	*08:82N, 08:86N	

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*08 SSP typings.

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

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

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

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

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

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: 35S**Lot-specific information**

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*08 subtyping.

In addition, wells number 2, 10, 11, 16, 18, 22, 23, 33, 36 and 43 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

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

³For several HLA Class I alleles 1st and/or 4th exon(s) and beyond, as well as intron nucleotide sequences, are not available. In these instances it is not known whether some of the primers of the SSP sets are completely matched with the target sequences or not. We assume that unknown sequences in these regions are conserved within allelic groups.

⁴Due to the sharing of sequence motifs between HLA-B alleles non-HLA-B*08 alleles will be amplified by most primer mixes. In addition, the C*02:60 allele will be amplified by primer mix 43, the C*05:30 allele will be amplified by primer mix 23, the C*07:68, C*07:140 and C*07:151 alleles will be amplified by primer mix 25, the C*07:124 and C*07:155 alleles will be amplified by primer mix 3 and the C*07:209 allele will be amplified by primer mix 29.

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

⁶Primer mixes 6 and 7 may have a tendency of giving rise to primer oligomer formation.

⁷Primer mix 8 may give a lower yield of HLA-specific PCR product than the other B*08 primer mixes.

⁸Primer mix 39 may have tendencies of unspecific amplifications.

⁹Primer mix 7: Specific PCR fragment of 215 bp in the B*08:05 allele. Specific PCR fragment of 250 bp in the B*08:03, 08:36 and 08:78 and the B*49:25, 51:68 and 57:49 alleles.

¹⁰Primer mix 10: Specific PCR fragment of 85 bp in the B*08:40 and the B*27:83 and 41:19 alleles. Specific PCR fragment of 170 bp in the B*08:08N allele.

¹¹Primer mix 13: Specific PCR fragment of 85 bp in the B*08:11 allele. Specific PCR fragment of 290 bp in the B*08:49, 08:60 and 08:76 and the B*42:13 and 53:15 alleles.

¹²Primer mix 14: Specific PCR fragment of 115 bp in the B*08:43 allele. Specific PCR fragment of 280 bp in the B*08:12:01-08:12:03, 08:16, 08:49 and 08:89 and the B*41:03:01-41:03:02, 42:13 and 53:15 alleles.

¹³Primer mix 18: Specific PCR fragment of 425 bp in the B*08:15 and the B*07:13, 07:15, 07:92, 39:27, 40:73, 67:02 and 73:01-73:02 alleles. Specific PCR fragment of 470 bp in the B*08:39 and the B*07:93 and the B*07:93 and 38:27 alleles.

¹⁴Primer mix 19: Specific PCR fragment of 245 bp in the B*08:44 allele. Specific PCR fragment of 415 bp in the B*08:16 and in the B*07:13, 07:15, 07:160, 42:18 and 67:02 alleles.

¹⁵Primer mix 20: Specific PCR fragment of 140 bp in the B*08:22 allele. Specific PCR fragment of 205 bp in B*08:17, 08:38 and 08:54 and in the B*15:142, 44:49, 44:156 and 49:25 alleles.

¹⁶Primer mix 23: Specific PCR fragment of 85 bp in the B*08:21 and 08:25 and the B*41:17 and 53:15 alleles. Specific PCR fragment of 235 bp in the B*08:17 and 08:47 and the B*13:39, 15:57, 15:135, 35:27, 35:56, 35:185, 44:75, 55:12 and 78:06 and in the C*05:30 alleles.

¹⁷Primer mix 27: Specific PCR fragment of 105 bp in the B*08:30N allele. Specific PCR fragment of 140 bp in the B*08:22 allele.

¹⁸Primer mix 29: Specific PCR fragment of 150 bp in the B*08:32 and in the B* 35:218 and 51:68 and in the C*07:209 alleles. Specific fragment of 250 bp in the B*08:36 allele.

¹⁹Primer mix 33: Specific PCR fragment of 220 bp in the B*08:55 and the B*38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37 and 39:76 alleles. Specific fragment of 285 bp in the B*08:42 allele.

²⁰Primer mix 34: Specific PCR fragment of 210 bp in the B*08:45 allele. Specific fragment of 305 bp in the B*08:59:01-08:59:02 and 40:228⁷ alleles.

²¹Primer mix 35: Specific PCR fragment of 120 bp in the B*08:51 allele. Specific fragment of 205 bp in the B*08:57 allele.

²²Primer mix 36: Specific PCR fragment of 115 bp in the B*08:20 and 08:53:01-08:53:02 alleles. Specific PCR fragment of 260 bp in the B*08:100 allele.

²³Primer mix 37: Specific PCR fragment of 155 bp in the B*08:41 and the B*35:192 and 51:141 alleles. Specific fragment of 270 bp in the B*08:48 allele.

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²⁴Primer mix 38: Specific PCR fragment of 175 bp in the B*08:61 allele. Specific fragment of 265 bp in the B*08:58 allele.

²⁵Primer mix 43: Specific PCR fragment of 185 bp in the B*08:64 and the B*07:113 alleles. Specific fragment of 215 bp in the B*08:70 and the B*07:55, 07:100, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207, 46:12 and 48:19 and in the C*02:60 alleles.

²⁶Primer mix 44: Specific PCR fragment of 170 bp in the B*08:67N allele. Specific fragment of 215 bp in the B*08:65 and the B*14:28 and 39:12 alleles.

²⁷Primer mix 45: Specific PCR fragment of 120 bp in the B*08:68 allele. Specific fragment of 225 bp in the B*08:49 and 08:69 and the B*42:06 alleles.

‘w’, might be weakly amplified.

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

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Lot-specific information

INTERPRETATION TABLE																								
HLA-B*08 SSP subtyping																								
Amplification patterns of the B*08:01 to B*08:106 alleles																								
	Well ¹⁴																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Length of int. pos. control ¹	800	800	1070	1070	1070	1070	1070	1070	1070	800	800	1070	1070	1070	1070	800	1070	800	1070	1070	1070	800	800	1070
5'-primer(s) ²	363	97	97	97	97	97	97	412	412	475	355	44	355	363	106	539	363	44	44	97	44	636	106	97
	5' -AgC ³	5' -TCg ³	5' -TCg ³	5' -TCg ³	5' -TCg ³	5' -TCg ³	5' -TCg ³	5' -ATA ³	5' -ATg ³	5' -Cg ³	5' -TCC ³	5' -ggC ³	5' -TCA ³	5' -Agg ³	5' -CCA ³	5' -gCT ³	5' -AgC ³	5' -ggC ³	5' -ggC ³	5' -TCg ³	5' -ggC ³	5' -CAC ³	5' -CCA ³	5' -TCT ³
										560	357		560	363						363			560	
														530										
													5' -ggT ³											
3'-primer(s) ³	538	272	299	309	292	251	269	539	538	603	603	259	603	603	142	603	418	299	119	261	341	724	302	272
	5' -gTC ³	5' -TgA ³	5' -TCT ³	5' -gTg ³	5' -gTA ³	5' -CCg ³	5' -Agg ³	5' -TCC ³	5' -gTC ³	5' -gTg ³	5' -gTg ³	5' -gTC ³	5' -gTg ³	5' -TgA ³	5' -gTg ³	5' -gTC ³	5' -gTC ³	5' -TCA ³	5' -ggg ³	5' -gTC ³	5' -CgT ³	5' -CTA ³	5' -ggT ³	5' -TgA ³
			299		309	272	302											343	289	461			603	
			5' -TCT ³		5' -ATC ³	5' -Tgg ³	5' -ggT ³											5' -T ³	5' -AgC ³	5' -gCg ³			5' -gTg ³	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
HLA-B allele ^{4,5}																								
*08:01:01-08:01:20, 08:71, 08:73, 08:75, 08:77, 08:80-08:81, 08:83, 08:88, 08:90-08:93, 08:96-08:99, 08:101, 08:104-08:106	1	2	3												15									
*08:02	1	2		4											15									
*08:03, 08:78	1	2			5		7								15									
*08:04	1		3			6									15									
*08:05	1	2	3				7								15									
*08:07	1	2	3						9						15									
*08:08N	1	2	3							10					15									
*08:09, 08:84		2	3								11				15									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*08:10	1	2	3									12			15									
*08:11, 08:76 ⁷	1	2	3										13		15									
*08:12:01-08:12:03		2	3											14	15									
*08:13		2	3												15	16								
*08:14, 08:87	1	2	3												15		17							
*08:15	1	2													15			18						
*08:16		2	3											14	15				19					
*08:17	1		3			6									15					20			23	
*08:18	1	2	3												15						21			
*08:19N	1	2	3												15							22		
*08:20		2	3					8							15									
*08:21, 08:47 ⁸	1	2	3												15								23	
*08:22	1	2	3												15					20				
*08:23	1	2	3		5										15									
*08:24	1	2	3			6									15									
*08:25		2	3												15	16							23	
*08:26	1																							24
*08:27	1	2	3								11				15									
*08:28	1	2	3												15									
*08:29	1	2	3												15									
*08:30N	1	2	3												15									
*08:31	1	2	3												15									
*08:32	1	2	3												15									
*08:33	1	2	3												15									
*08:34	1	2	3												15									
*08:35	1	2	3												15									
*08:36	1	2	3				7								15									
*08:37	1	2	3						9						15									
*08:38	1	2	3												15					20				
*08:39	1	2	3												15			18						
*08:40		2	3					8		10					15									
*08:41, 08:48 ⁹	1	2	3												15									
*08:42	1	2	3												15									
*08:43	1	2	3											14	15									
*08:44	1	2	3												15				19					
*08:45, 08:59:01-08:59:02 ¹⁰	1	2	3												15									
*08:46	1	2	3												15									
*08:49		2	3										13	14	15									
*08:50	1														w								24	
*08:51, 08:57 ¹¹	1	2	3												15									
*08:52	1	2			5										15									
*08:53:01-08:53:02	1	2	3												15									
*08:54	1		3		5	6									15					20				
*08:55		2	3												15	16								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
							32																	*08:10
							32																	*08:11, 08:76 ⁷
							32																	*08:12:01-08:12:03
							32																	*08:13
																								*08:14, 08:87
							32																	*08:15
							32																	*08:16
							32																	*08:17
							32																	*08:18
							32																	*08:19N
							32				36													*08:20
							32																	*08:21, 08:47 ⁸
	27						32																	*08:22
							32																	*08:23
							32																	*08:24
							32																	*08:25
							32							40										*08:26
							32																	*08:27
25																								*08:28
	26						32																	*08:29
		27					32																	*08:30N
			28																					*08:31
				29			32																	*08:32
					30		32																	*08:33
						31	32																	*08:34
25							32																	*08:35
				29			32																	*08:36
25																								*08:37
							32																	*08:38
							32																	*08:39
							32																	*08:40
							32					37												*08:41, 08:48 ⁹
							32	33																*08:42
							32																	*08:43
							32																	*08:44
							32		34															*08:45, 08:59:01-08:59:02 ¹⁰
							32						39											*08:46
																				45				*08:49
							32																	*08:50
							32			35														*08:51, 08:57 ¹¹
							32																	*08:52
							32				36													*08:53:01-08:53:02
							32																	*08:54
							32	33																*08:55
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*08:56:01-08:56:02	1	2	3																					
*08:58, 08:61 ¹²	1	2	3												15									
*08:60		2	3										13		15									
*08:62	1														w									
*08:63	1	2	3												15									
*08:64	1	2	3												15									
*08:65	1		3												15									
*08:66	1	2	3																					
*08:67N	1	2	3												15									
*08:68-08:69 ¹³	1	2	3												15									
*08:70		2	3					8							15									
*08:72N	1	2	3												15									
*08:74, 08:103	1	2	3												15									
*08:79		2	3					8							15									
*08:82N	1	2	3												15									
*08:85	1		3												15									
*08:86N	1	2	3												15									
*08:89		2	3						9					14	15									
*08:94, 35:87 ⁶	1																						24	
*08:95, 08:102	1	2	3																					
*08:100	1	2	3												15									
*07:04, 07:19, 07:25, 07:146, 37:09, 41:04, 41:18, 42:16	1								9															
*07:05:01-07:06, 07:40, 07:53, 07:69, 07:78, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 13:18, 13:31, 13:41, 15:30, 15:58, 15:73, 15:150, 39:08, 39:11, 39:18, 39:33, 39:36, 40:15- 40:16, 40:23, 40:128, 40:161, 40:198, 48:05, 52:21, 52:24, 54:10, 54:20, 55:09, 55:21, 55:37, 55:52, 57:02:01-57:02:02, 57:12, 57:28N, 57:42								8																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
							32								40									*08:56:01-08:56:02
							32						38											*08:58, 08:61 ¹²
							32																	*08:60
							32									41								*08:62
							32										42							*08:63
							32											43						*08:64
							32												44					*08:65
							32														46			*08:66
							32												44					*08:67N
							32													45				*08:68-08:69 ¹³
							32											43						*08:70
							32															47		*08:72N
																								*08:74, 08:103
																								*08:79
							32																48	*08:82N
							32																	*08:85
25							32															47	48	*08:86N
																								*08:89
							32																	*08:94, 35:87 ⁶
							32																	*08:95, 08:102
							32				36						42							*08:100
																								*07:04, 07:19, 07:25, 07:146, 37:09, 41:04, 41:18, 42:16
																								*07:05:01-07:06, 07:40, 07:53, 07:69, 07:78, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 13:18, 13:31, 13:41, 15:30, 15:58, 15:73, 15:150, 39:08, 39:11, 39:18, 39:33, 39:36, 40:15- 40:16, 40:23, 40:128, 40:161, 40:198, 48:05, 52:21, 52:24, 54:10, 54:20, 55:09, 55:21, 55:37, 55:52, 57:02:01-57:02:02, 57:12, 57:28N, 57:42
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*07:08, 07:38, 15:08, 15:56, 15:191, 15:236, 35:01:01:01- 35:17, 35:19, 35:21- 35:24:02, 35:29:01-35:37, 35:39-35:43:01, 35:45- 35:49, 35:51-35:55, 35:57- 35:62, 35:64:01-35:71, 35:74-35:75, 35:77, 35:79- 35:81, 35:83, 35:86, 35:88- 35:94, 35:96-35:114, 35:116- 35:123, 35:126-35:134N, 35:136-35:141, 35:143- 35:161, 35:163-35:168, 35:170-35:184, 35:187- 35:191, 35:193-35:202, 35:204-35:216N, 35:219- 35:225, 38:06-38:07, 39:58, 44:06, 48:06, 51:01:01- 51:04, 51:06:01-51:06:02, 51:08-51:21, 51:23- 51:24:04, 51:26-51:28, 51:30-51:46, 51:48-51:53, 51:55-51:60, 51:62-51:67, 51:69-51:81, 51:83-51:96, 51:98N-51:102, 51:104- 51:115, 51:117-51:127, 51:129-51:140, 51:142- 51:144, 51:146-51:150, 52:06:01-52:06:02, 53:01:01- 53:08:02, 53:10-53:14, 53:16, 53:18-53:21, 53:23- 53:27, 53:29, 59:01:01:01- 59:05, 78:01:01-78:02:02, 78:04, 78:07																								
*07:13, 07:15, 67:02																		18	19					
*07:28, 07:118, 27:32, 40:180, 44:54, 44:135																	17							
*07:29			3												15									
*07:32, 35:18, 35:44, 51:05, 51:29, 51:54, 51:61:01- 51:61:02, 51:82								8																24
*07:55, 07:100, 07:113, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207, 46:12, C*02:60																								
*07:56:01-07:56:02, 07:72, 38:28, 39:63, 49:03																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
																								*07:08, 07:38, 15:08, 15:56, 15:191, 15:236, 35:01:01:01- 35:17, 35:19, 35:21- 35:24:02, 35:29:01-35:37, 35:39-35:43:01, 35:45- 35:49, 35:51-35:55, 35:57- 35:62, 35:64:01-35:71, 35:74-35:75, 35:77, 35:79- 35:81, 35:83, 35:86, 35:88- 35:94, 35:96-35:114, 35:116- 35:123, 35:126-35:134N, 35:136-35:141, 35:143- 35:161, 35:163-35:168, 35:170-35:184, 35:187- 35:191, 35:193-35:202, 35:204-35:216N, 35:219- 35:225, 38:06-38:07, 39:58, 44:06, 48:06, 51:01:01- 51:04, 51:06:01-51:06:02, 51:08-51:21, 51:23- 51:24:04, 51:26-51:28, 51:30-51:46, 51:48-51:53, 51:55-51:60, 51:62-51:67, 51:69-51:81, 51:83-51:96, 51:98N-51:102, 51:104- 51:115, 51:117-51:127, 51:129-51:140, 51:142- 51:144, 51:146-51:150, 52:06:01-52:06:02, 53:01:01- 53:08:02, 53:10-53:14, 53:16, 53:18-53:21, 53:23- 53:27, 53:29, 59:01:01:01- 59:05, 78:01:01-78:02:02, 78:04, 78:07
																								*07:13, 07:15, 67:02
																								*07:28, 07:118, 27:32, 40:180, 44:54, 44:135
																								*07:29
																								*07:32, 35:18, 35:44, 51:05, 51:29, 51:54, 51:61:01- 51:61:02, 51:82
																		43						*07:55, 07:100, 07:113, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207, 46:12, C*02:60
															40									*07:56:01-07:56:02, 07:72, 38:28, 39:63, 49:03
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*07:86, 14:11, 15:03:01-15:03:04, 15:09-15:10:02, 15:18:01-15:18:05, 15:23, 15:37, 15:47:01-15:47:02, 15:49, 15:52, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:69, 15:72, 15:74, 15:80, 15:90-15:91, 15:93, 15:98-15:99, 15:103, 15:108, 15:114-15:115, 15:119, 15:123-15:124, 15:127, 15:131-15:134, 15:151, 15:153, 15:156, 15:158, 15:161, 15:173, 15:176, 15:186, 15:197-15:198, 15:200, 15:210, 15:220-15:221, 15:226N, 15:229, 15:235, 15:238, 15:242-15:243, 15:251-15:253, 15:255, 15:263, 15:266, 18:25, 18:68, 38:33, 39:04, 40:12, 48:22, 52:16, 52:27, 54:21, 56:16, 57:58, 58:12, 83:01																								
*07:92-07:93, 38:27, 39:27, 40:73																		18						
*07:102																					21			
*07:160																		19						
*13:39, 15:57, 15:135, 44:75, 55:12, 78:06, C*05:30																							23	
*14:28			3												15									
*15:29, 35:25, 35:124-35:125, 35:142															w									24
*15:51									9						w									
*15:142			3		5	6														20				
*15:179, 15:199, 15:218Q, 18:56, 37:35, 44:17, 45:09, 57:24									9															
*15:180		2	3												15									
*18:07:01-18:07:02, 18:29, 18:79, 27:23, 35:50, 35:84, 35:162, 35:217, 37:21, 40:07-40:08, 40:13, 40:68, 40:106, 40:162, 40:220, 40:232, 51:103, 51:116																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
																								*07:86, 14:11, 15:03:01-15:03:04, 15:09-15:10:02, 15:18:01-15:18:05, 15:23, 15:37, 15:47:01-15:47:02, 15:49, 15:52, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:69, 15:72, 15:74, 15:80, 15:90-15:91, 15:93, 15:98-15:99, 15:103, 15:108, 15:114-15:115, 15:119, 15:123-15:124, 15:127, 15:131-15:134, 15:151, 15:153, 15:156, 15:158, 15:161, 15:173, 15:176, 15:186, 15:197-15:198, 15:200, 15:210, 15:220-15:221, 15:226N, 15:229, 15:235, 15:238, 15:242-15:243, 15:251-15:253, 15:255, 15:263, 15:266, 18:25, 18:68, 38:33, 39:04, 40:12, 48:22, 52:16, 52:27, 54:21, 56:16, 57:58, 58:12, 83:01
																								*07:92-07:93, 38:27, 39:27, 40:73
																								*07:102
																								*07:160
																								*13:39, 15:57, 15:135, 44:75, 55:12, 78:06, C*05:30
																			44					*14:28
																								*15:29, 35:25, 35:124-35:125, 35:142
25																								*15:51
																								*15:142
25																								*15:179, 15:199, 15:218Q, 18:56, 37:35, 44:17, 45:09, 57:24
																								*15:180
																41								*18:07:01-18:07:02, 18:29, 18:79, 27:23, 35:50, 35:84, 35:162, 35:217, 37:21, 40:07-40:08, 40:13, 40:68, 40:106, 40:162, 40:220, 40:232, 51:103, 51:116
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*27:83										10						16								
*35:27, 35:56, 35:185, 35:203																							23	24
*35:38, 35:169									9															24
*35:115, 53:22									9															24
*35:192, 51:141																								24
*35:218		2	3		5																			
*38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76																								
*39:12			3																					
*39:78												12												
*40:21, 40:58, 40:137																								
*40:228																								
*41:01, 41:05, 41:07, 41:14, 41:16, 41:20, 41:25-41:26, 42:04, 55:20										11														
*41:02:01-41:02:04, 41:11, 41:13, 41:23, 42:01:01- 42:02, 42:07, 42:10-42:12, 42:15, 42:17, 44:166	1																							
*41:03:01-41:03:02													14											
*41:06										11														
*41:10, 41:15, 42:05:01- 42:05:02, 42:08, 42:14, 44:158	1																							
*41:12										11														
*41:17										11													23	
*41:19	1									10														
*41:21									9	11														
*41:22										11					w									
*41:24	1																							
*42:06	1																							
*42:09	1								9															
*42:13													13	14										
*42:18	1																	19						
*44:49				4		6													20					
*44:51, 44:123									9															
*44:106	1																17							
*44:156				4		6									15				20					
*48:19								8																
*49:25					5	6	7								15				20					
*51:68		2			5		7																	
*51:97																								24
*53:15													13	14		16							23	24
*57:49					5		7																	
*73:01-73:02																	18			21				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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

Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
																								*27:83
																								*35:27, 35:56, 35:185, 35:203
																								*35:38, 35:169
25																								*35:115, 53:22
												37												*35:192, 51:141
				29																				*35:218
								33																*38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76
																			44					*39:12
																								*39:78
															?									*40:21, 40:58, 40:137
									?															*40:228
							32																	*41:01, 41:05, 41:07, 41:14, 41:16, 41:20, 41:25-41:26, 42:04, 55:20
							32																	*41:02:01-41:02:04, 41:11, 41:13, 41:23, 42:01:01- 42:02, 42:07, 42:10-42:12, 42:15, 42:17, 44:166
							32																	*41:03:01-41:03:02
																								*41:06
																								*41:10, 41:15, 42:05:01- 42:05:02, 42:08, 42:14, 44:158
							32								40									*41:12
							32																	*41:17
							32																	*41:19
																								*41:21
							32																	*41:22
25							32																	*41:24
							32																	*42:06
25																				45				*42:09
							32																	*42:13
							32																	*42:18
																								*44:49
																								*44:51, 44:123
																								*44:106
																								*44:156
																		43						*48:19
																								*49:25
				29																				*51:68
25																								*51:97
																								*53:15
																								*57:49
																								*73:01-73:02
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **35S**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	85	290	385	85	115	75	105	95	425	245	140	465	130	85	215
PCR product(s)							250			170			290	280				470	415	205			235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<i>C*07:68, C*07:140, C*07:151</i>																								
<i>C*07:124, C*07:155</i>			3																					
<i>C*07:209</i>																								
HLA-B allele	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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*08 subtyping.

In addition, wells number 2, 10, 11, 16, 18, 22, 23, 33, 36 and 43 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

²The nucleotide position, in the 1st, 2nd, 3rd or 4th exon, 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 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 B*08:06 allele has been shown to be identical to B*08:20.

⁵HLA-B*08 alleles in bold lettering are listed as confirmed alleles on the IMGT/HLA web page www.ebi.ac.uk/imgt/hla, release 3.11.0, January 2013.

⁶The HLA-B*08 primer set cannot separate the B*08:94 and the B*35:87 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*35 high resolution kit.

⁷The B*08:11 and 08:76 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 13.

⁸The B*08:21 and 08:47 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

⁹The B*08:41 and 08:48 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 37.

¹⁰The B*08:45 and 08:59:01-08:59:02 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 34.

¹¹The B*08:51 and 08:57 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

¹²The B*08:58 and 08:61 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

¹³The B*08:68 and 08:69 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 45.

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

160	390	105	85	150	280	380	230	220	210	120	115	155	175	190	265	215	255	185	170	120	210	245	255	Length of spec.
		140		250				285	305	205	260	270	265					215	215	225				PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
25																								C*07:68, C*07:140, C*07:151
																								C*07:124, C*07:155 C*07:209
				29																				HLA-B allele
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

¹⁴Primer mix 7: Specific PCR fragment of 215 bp in the B*08:05 allele. Specific PCR fragment of 250 bp in the B*08:03, 08:36 and 08:78 and the B*49:25, 51:68 and 57:49 alleles.

Primer mix 10: Specific PCR fragment of 85 bp in the B*08:40 and the B*27:83 and 41:19 alleles. Specific PCR fragment of 170 bp in the B*08:08N allele.

Primer mix 13: Specific PCR fragment of 85 bp in the B*08:11 allele. Specific PCR fragment of 290 bp in the B*08:49, 08:60 and 08:76 and the B*42:13 and 53:15 alleles.

Primer mix 14: Specific PCR fragment of 115 bp in the B*08:43 allele. Specific PCR fragment of 280 bp in the B*08:12:01-08:12:03, 08:16, 08:49 and 08:89 and the B*41:03:01-41:03:02, 42:13 and 53:15 alleles.

Primer mix 18: Specific PCR fragment of 425 bp in the B*08:15 and the B*07:13, 07:15, 07:92, 39:27, 40:73, 67:02 and 73:01-73:02 alleles. Specific PCR fragment of 470 bp in the B*08:39 and the B*07:93 and the B*07:93 and 38:27 alleles.

Primer mix 19: Specific PCR fragment of 245 bp in the B*08:44 allele. Specific PCR fragment of 415 bp in the B*08:16 and in the B*07:13, 07:15, 07:160, 42:18 and 67:02 alleles.

Primer mix 20: Specific PCR fragment of 140 bp in the B*08:22 allele. Specific PCR fragment of 205 bp in B*08:17, 08:38 and 08:54 and in the B*15:142, 44:49, 44:156 and 49:25 alleles.

Primer mix 23: Specific PCR fragment of 85 bp in the B*08:21 and 08:25 and the B*41:17 and 53:15 alleles. Specific PCR fragment of 235 bp in the B*08:17 and 08:47 and the B*13:39, 15:57, 15:135, 35:27, 35:56, 35:185, 44:75, 55:12 and 78:06 and in the C*05:30 alleles.

Primer mix 27: Specific PCR fragment of 105 bp in the B*08:30N allele. Specific PCR fragment of 140 bp in the B*08:22 allele.

Primer mix 29: Specific PCR fragment of 150 bp in the B*08:32 and in the B* 35:218 and 51:68 and in the C*07:209 alleles. Specific fragment of 250 bp in the B*08:36 allele.

Primer mix 33: Specific PCR fragment of 220 bp in the B*08:55 and the B*38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37 and 39:76 alleles. Specific fragment of 285 bp in the B*08:42 allele.

Primer mix 34: Specific PCR fragment of 210 bp in the B*08:45 allele. Specific fragment of 305 bp in the B*08:59:01-08:59:02 and 40:228[?] alleles.

Primer mix 35: Specific PCR fragment of 120 bp in the B*08:51 allele. Specific fragment of 205 bp in the B*08:57 allele.

Primer mix 36: Specific PCR fragment of 115 bp in the B*08:20 and 08:53:01-08:53:02 alleles. Specific PCR fragment of 260 bp in the B*08:100 allele.

Primer mix 37: Specific PCR fragment of 155 bp in the B*08:41 and the B*35:192 and 51:141 alleles. Specific fragment of 270 bp in the B*08:48 allele.

Primer mix 38: Specific PCR fragment of 175 bp in the B*08:61 allele. Specific fragment of 265 bp in the B*08:58 allele.

Primer mix 43: Specific PCR fragment of 185 bp in the B*08:64 and the B*07:113 alleles. Specific fragment of 215 bp in the B*08:70 and the B*07:55, 07:100, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207, 46:12 and 48:19 and in the C*02:60 alleles.

Primer mix 44: Specific PCR fragment of 170 bp in the B*08:67N allele. Specific fragment of 215 bp in the B*08:65 and the B*14:28 and 39:12 alleles.

Primer mix 45: Specific PCR fragment of 120 bp in the B*08:68 allele. Specific fragment of 225 bp in the B*08:49 and 08:69 and the B*42:06 alleles.

‘w’, might be weakly amplified.

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

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*08 SSP subtyping kit																				
					Well															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Prod. No.:	201318601	201318602	201318603	201318604	201318605	201318606	201318607	201318608	201318609	201318610	201318611	201318612	201318613	201318614	201318615	201318616
	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	9004	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	+	+	+	-	-	-	-	-	-	-	-	-	-	-	+	-
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	+	+	+	-	-	-	-	-	-	-	-	-	-	-	+	-
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045	TUBO	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Lot-specific information

CELL LINE VALIDATION SHEET																																
HLA-B*08 SSP subtyping kit																																
					Well																											
						17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32											
				Prod. No.:		201318617	201318618	201318619	201318620	201318621	201318622	201318623	201318624	201318625	201318626	201318627	201318628	201318629	201318630	201318631	201318632											
	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	9007	DEM	*35:01		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
13	9004	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
17	9282	CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+											
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
30	9021	RSH	*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+											
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
32	9297	HAG	*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+											
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
39	9315	CML	*08:01	*27:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+											
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
45	9239	SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+											
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
47	9045	TUBO	*51:01		-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-											

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **35S**

Lot-specific information

CELL LINE VALIDATION SHEET																					
HLA-B*08 SSP subtyping kit																					
					Well																
						33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
				Prod. No.:		201318633	201318634	201318635	201318636	201318637	201318638	201318639	201318640	201318641	201318642	201318643	201318644	201318645	201318646	201318647	201318648
	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	9007	DEM	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045	TUBO	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.513-24/04– including *Taq* pol., IFU-01
 101.513-24u/04u – without *Taq* pol., IFU-02

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 “Instructions for Use” (IFU)

Lot No.: **35S**

Lot-specific information

CERTIFICATE OF ANALYSIS

Olerup SSP® HLA-B*08 SSP

Product number: 101.513-24/04 – including *Taq* pol.
 101.513-24u/04u – without *Taq* pol.
 Lot number: 35S
 Expiry date: 2016-February-01
 Number of tests: 24 tests – Product No. 101.513-24/24u
 4 tests – Product No. 101.513-04/04u
 Number of wells per test: 48

Well specifications:

Well No.	Production No.	Well No.	Production No.	Well No.	Production No.
1	2013-186-01	17	2013-186-17	33	2013-186-33
2	2013-186-02	18	2013-186-18	34	2013-186-34
3	2013-186-03	19	2013-186-19	35	2013-186-35
4	2013-186-04	20	2013-186-20	36	2013-186-36
5	2013-186-05	21	2013-186-21	37	2013-186-37
6	2013-186-06	22	2013-186-22	38	2013-186-38
7	2013-186-07	23	2013-186-23	39	2013-186-39
8	2013-186-08	24	2013-186-24	40	2013-186-40
9	2013-186-09	25	2013-186-25	41	2013-186-41
10	2013-186-10	26	2013-186-26	42	2013-186-42
11	2013-186-11	27	2013-186-27	43	2013-186-43
12	2013-186-12	28	2013-186-28	44	2013-186-44
13	2013-186-13	29	2013-186-29	45	2013-186-45
14	2013-186-14	30	2013-186-30	46	2013-186-46
15	2013-186-15	31	2013-186-31	47	2013-186-47
16	2013-186-16	32	2013-186-32	48	2013-186-48

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 5 to 7, 9, 10, 12 to 14, 16, 17, 19, 20, 25 to 31, 33 to 40, 42 and 44 to 48 were available. The specificities of the primers in primer solutions 5 to 7, 9, 10, 13, 14, 16, 17, 19, 20, 25, 29, 33, 36, 40, 44 and 45 were tested by separately adding one or two additional 5'-primers, respectively one or two additional 3'-primers. The specificity of the 5'-primers in primer solutions 12, 27, 34, 39, 47 and 48 were tested by adding one additional 3'-primer, the 3'-primers were not possible to test. In primer solutions 26, 28, 30, 31, 35, 37, 38, 42 and 46 it was only possible to test the 3'-primers, the 5'-primers were not possible to test. In primer solutions 6, 7, 19, 20, 29, 33, 43 and 44 one or two of the 3'-primers were not possible to test, and in primer solutions 10, 13, 14, 36 and 45 one of the 5'-primers was not possible to test.

Additional primers in primer solutions 11, 18 and 23 were tested by separately adding one additional 3'-primer respective one additional 5'-primer.

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

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

Date of approval: 2013-August-21

Approved by:

Production Quality Control

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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Lot No.: **35S**

Lot-specific information

Declaration of Conformity

Product name: *Olerup* SSP® HLA-B*08
Product number: 101.513-24/24u, -04/04u
Lot number: 35S

Intended use: HLA-B*08 high resolution histocompatibility testing

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

We, *Olerup* SSP AB, hereby declare that this product, to which this Declaration of Conformity relates is in conformity with the following Standard(s) and other normative document(s) ISO 9001:2008 and ISO 13485:2012, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex 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
2013-August-21

Ann-Cathrin Jareman
Head of QA and Regulatory Affairs

101.513-24/04– including *Taq* pol., IFU-01
101.513-24u/04u – without *Taq* pol., IFU-02

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“Instructions for Use” (IFU)

Lot No.: **35S**

Lot-specific information

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