101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

Olerup SSP® HLA-B*55

Product number:	**101.570-06 – including *Taq* polymerase** **101.570-06u – without *Taq* polymerase**
Lot number:	**19V**
Expiry date:	**2016-July-01**
Number of tests:	**6**
Number of wells per test:	**31+1**
Storage - pre-aliquoted primers:	**dark at -20°C**
- PCR Master Mix:	**-20°C**
- Adhesive PCR seals	**RT**
- Product Insert	**RT**

This Product Description is only valid for Lot No. 19V.

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

CHANGES COMPARED TO THE PREVIOUS *OLERUP* SSP® HLA-B*55 LOT (65R)

The HLA-B*55 kit is updated for new alleles to enable separation of:

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

A well containing Negative Control primer pairs has been added.

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

[1]As described in section Uniquely Identified Alleles.

The HLA-B*55 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup* SSP® HLA-B*55 lot was made **(Lot No. 65R)**.

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

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

The primers of the wells detailed below has been added, exchanged or modified.

Well	5'-primer	3'-primer	rationale
13	-	Added	3'-primer added for the B*55:54 allele.
17	-	Added	3'-primer added from well 29.
29	Added	Added	Primer pair added from well 32.
31	-	Added	3'-primer added from well 29
32	Moved	Moved	Primer pair moved to well 29, Negative Control

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

Well **32** contains Negative Control primer pairs, that will amplify more than 95% of the *Olerup* SSP® HLA Class I, DRB, DQB1 and DPB1 amplicons as well as amplicons generated by a control primer pair.

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

Length of PCR product	**105**	**200**	**105**	**80**	**75**	**80**
5'-primer[1]	**164**	**340**	**440**	**45**	**45**	**43**
	5'-CAC3'	**5'-Agg3'**	**5'-TTA3'**	**5'-Tgg3'**	**5'-Tgg3'**	**5'-Tgg3'**
3'-primer[2]	**231**	**2nd I**	**507**	**59**	**58**	**57**
	5'-TgC3'	**5'-AAA3'**	**5'-TTg3'**	**5'-CTC3'**	**5'-ggC3'**	**5'-CTC3'**
A*	+	+	+			
B*	+	+	+			
C*	+	+	+			
DRB1				+	+	
DRB3				+	+	
DRB5				+		
DQB1					+	
DPB1						+

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

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

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

PRODUCT DESCRIPTION

HLA-B*55 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*55:01 to B*55:60 alleles.

PLATE LAYOUT

Each test consists of 32 PCR reactions in a 32 well 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**	**NC**

The 32 well PCR plate is marked with 'HLA-B*55' in silver/gray ink.
Well No. 1 is marked with the Lot No. '19V'.
Wells 1 to 31 – HLA-B*55 high resolution primers.
Well 32 – Negative Control (NC).
A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays, and should be disregarded.
The PCR plates are covered with a PCR-compatible foil.
Please note: When removing each 32 well PCR plate, make sure that the remaining plates stay covered. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

INTERPRETATION

Due to the sharing of sequence motifs between HLA-B alleles non-HLA-B*55 alleles will be amplified by primer mixes 1 to 5, 7, 8 10 to 25 and 27 to 31. In addition, a few HLA-C alleles will be amplified by primer mixes 2, 5, 7, 10 and 19.
For further details see Specificity Table

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*55 alleles, i.e. **B*55:01 to B*55:60**, recognized by the HLA Nomenclature Committee in October 2013[1] will be amplified by the primers in the HLA-B*55 subtyping kit[2].

The HLA-B*55 kit enables separation of the confirmed HLA-B*55 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*55 alleles is listed below.

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

The HLA-B*55 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*55 subtyping kit cannot separate the silent mutations in the B*55:01:01-55:01:06 and 55:01:08-55:01:11 alleles or the B*55:02:01-55:02:06 alleles.

[1]HLA-B alleles listed on the IMGT/HLA web page 2013-October-11, release 3.14.0, www.ebi.ac.uk/imgt/hla.
[2]Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page http://hla.alleles.org/alleles/deleted.html.
[3]The HLA-B*55 primer set cannot separate the B*55:07 and the B*54:01:02 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*54 high resolution kit.

ALLELE CONFIRMATION STATUS

Allele	Status[1]	Allele	Status[1]	Allele	Status[1]	Allele	Status[1]
B*55:01:01	**Confirmed**	**B*55:07**	**Confirmed**	B*55:27	Unconfirmed	B*55:47	Unconfirmed
B*55:01:02	Unconfirmed	**B*55:08**	**Confirmed**	B*55:28	Unconfirmed	B*55:48	Unconfirmed
B*55:01:03	**Confirmed**	B*55:09	Unconfirmed	**B*55:29**	**Confirmed**	B*55:49	Unconfirmed
B*55:01:04	**Confirmed**	**B*55:10**	**Confirmed**	B*55:30	Unconfirmed	**B*55:50**	**Confirmed**
B*55:01:05	**Confirmed**	B*55:11	Unconfirmed	**B*55:31**	**Confirmed**	B*55:51	Unconfirmed
B*55:01:06	**Confirmed**	**B*55:12**	**Confirmed**	B*55:32	Unconfirmed	B*55:52	Unconfirmed
B*55:01:07	Unconfirmed	B*55:13	Unconfirmed	**B*55:33**	**Confirmed**	B*55:53	Unconfirmed
B*55:01:08	Unconfirmed	B*55:14	Unconfirmed	**B*55:34**	**Confirmed**	**B*55:54**	**Confirmed**
B*55:01:09	Unconfirmed	B*55:15	Unconfirmed	B*55:35	Unconfirmed	B*55:55N	Unconfirmed
B*55:01:10	Unconfirmed	**B*55:16**	**Confirmed**	**B*55:36**	**Confirmed**	B*55:56	Unconfirmed
B*55:01:11	Unconfirmed	**B*55:17**	**Confirmed**	**B*55:37**	**Confirmed**	B*55:57	Unconfirmed
B*55:02:01	**Confirmed**	**B*55:18**	**Confirmed**	B*55:38	Unconfirmed	B*55:58	Unconfirmed
B*55:02:02	Unconfirmed	B*55:19	Unconfirmed	B*55:39	Unconfirmed	B*55:59	Unconfirmed
B*55:02:03	**Confirmed**	**B*55:20**	**Confirmed**	B*55:40	Unconfirmed	B*55:60	Unconfirmed
B*55:02:04	Unconfirmed	B*55:21	Unconfirmed	B*55:41	Unconfirmed		
B*55:02:05	Unconfirmed	B*55:22	Unconfirmed	B*55:42	Unconfirmed		
B*55:02:06	Unconfirmed	**B*55:23**	**Confirmed**	B*55:43	Unconfirmed		
B*55:03	Unconfirmed	B*55:24	Unconfirmed	B*55:44	Unconfirmed		
B*55:04	**Confirmed**	**B*55:25**	**Confirmed**	**B*55:45**	**Confirmed**		
B*55:05	Unconfirmed	B*55:26	Unconfirmed	B*55:46	Unconfirmed		

[1]Allele status "confirmed" or "unconfirmed" as listed on the IMGT/HLA web page 2013-October-11, release 3.14.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HOMO- AND HETEROZYGOTES

Results file with resolution in HLA-B*55 homo- and heterozygotes is available upon request.

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

SPECIFICITY TABLE

HLA-B*55 SSP subtyping

Specificities and sizes of the PCR products of the 31+1 primer mixes used for HLA-B*55 SSP subtyping

Primer Mix	Size of spec. PCR product[1]	Size of control band[2]	Amplified HLA-B*55 alleles[3]	Other amplified HLA Class I alleles[4]
1	400 bp	**800 bp**	*55:01:01-55:05, 55:07-55:17, 55:19-55:33, 55:35-55:46, 55:48-55:60	*07:65, 35:76, 40:166[?], 44:90, 54:01:01-54:06, 54:08N-54:23, 54:25-54:29, 56:01:01-56:07, 56:08[w], 56:09-56:13, 56:15-56:16, 56:18-56:22, 56:24-56:32, 56:34-56:41, 56:43, 81:01, 81:03[?]-81:04N[?], 81:06[?], 82:01-82:03, 83:01
2[5]	125 bp	1070 bp	*55:01:01-55:03, 55:05, 55:07, 55:09-55:13, 55:15-55:16, 55:18-55:19, 55:21-55:37, 55:39-55:48, 55:50, 55:52-55:60	*13:01:01-13:04, 13:06-13:09, 13:11-13:20, 13:22:01-13:23, 13:25-13:34, 13:36-13:61, 13:63N-13:64, 13:66-13:70, 14:22, 14:37, 15:16:01-15:16:03, 15:20, 15:34, 15:42, 15:62, 15:67, 15:85-15:86, 15:95, 15:137, 15:194, 15:222, 15:254, 18:22, 18:52, 27:14, 35:01:01:01-35:05:02, 35:06-35:08:06, 35:10-35:11:03, 35:13-35:15, 35:19-35:21, 35:23-35:30, 35:33-35:38, 35:40N-35:42:02, 35:45-35:50, 35:52, 35:54-35:58, 35:60, 35:62-35:63, 35:65Q-35:66, 35:68:01-35:72, 35:74-35:78, 35:80-35:85, 35:89-35:98, 35:100-35:101:02, 35:103-35:112, 35:115-35:116, 35:119-35:124, 35:126-35:134N, 35:136-35:148, 35:150-35:163, 35:166-35:173N, 35:175-35:178, 35:180-35:184, 35:186-35:195, 35:197-35:198, 35:200, 35:202-35:204, 35:206-35:207, 35:209-35:214, 35:216N-35:229, 35:231-35:232, 35:235-35:240, 40:28, 44:10, 44:15, 44:18, 44:48, 45:01-45:14, 46:11, 46:18, 46:33, 48:02:01-48:02:03, 48:25, 49:01:01-49:26, 50:01:01, 50:01:03-50:02, 50:05-50:19, 50:31-50:34, 51:15, 51:56:01-51:56:02, 53:01:01-53:06, 53:08:01-53:31, 54:01:01-54:05N, 54:07-54:08N, 54:10, 54:12-54:14, 54:16-54:30, 56:01:01-56:01:03, 56:01:05-56:02, 56:07-56:11, 56:13-56:17, 56:19N, 56:22-56:26, 56:28N-56:30, 56:33-56:43, 57:05, 58:01:01-58:01:02, 58:01:04-58:02, 58:04-58:07, 58:09, 58:11-58:13, 58:15-58:19, 58:21-58:26, 58:28-58:29, 58:31N-58:45, 58:47-58:48, 59:01:01:01-59:01:01:02, 59:03-59:06, 82:01-82:03, **C*02:56, C*06:20, C*07:81, C*07:168**

3[6]	150 bp	1070 bp	*55:01:01-55:01:11, 55:03, 55:05, 55:09, 55:11, 55:15, 55:24-55:25, 55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:44-55:45, 55:52[W], 55:53-55:55N, 55:59-55:60	*07:78[W], 13:16, 13:20, 13:48, 15:42, 51:62, 51:106, 52:25, 54:20[W], 56:25, 56:37
4	235 bp	1070 bp	*55:03, 55:49	*08:15, 15:289, 35:74, 35:186, 40:73, 46:01:01-46:04, 46:06-46:43
5	235 bp	**800 bp**	*55:04, 55:49	*07:19, 07:31, 07:34, 07:43, 08:01:01-08:05, 08:07-08:08N, 08:10, 08:13-08:15, 08:17-08:20, 08:22-08:24, 08:26-08:39, 08:41-08:48, 08:50-08:59:02, 08:61-08:78, 08:80-08:83, 08:85-08:88, 08:90-08:106, 08:108-08:113, 14:05, 14:13, 18:14, 18:22[W], 35:87, 37:09, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 39:76, 40:39, 41:02:01-41:02:05, 41:04, 41:10-41:11, 41:13, 41:15, 41:18, 41:23-41:24, 41:27, 42:01:01-42:02, 42:05:01-42:12, 42:14-42:20, 44:166, **C*07:294, C*08:08**
6[5,6]	100 bp	1070 bp	*55:05	
7	180 bp	1070 bp	*55:08, 55:51	*07:20, 07:24, 07:60, 07:100, 07:131, 08:21, 08:25, 13:62, 15:09-15:10:02, 15:30, 15:37, 15:45, 15:48, 15:63, 15:90, 15:99, 15:150, 15:243, 15:248, 15:287, 27:76, 35:02:01-35:02:06, 35:04:01-35:04:03, 35:09:01-35:09:03, 35:12:01-35:12:03, 35:18, 35:22, 35:34, 35:39, 35:44, 35:81, 35:83, 35:95, 35:129N, 35:149, 35:154, 35:162, 35:172, 35:182-35:184, 35:199, 35:201, 35:211, 35:220, 35:233, 40:05, 40:26, 40:28, 40:63, 40:92, 40:174, 41:17, 44:62, 44:77, 44:82, 44:107, 44:123, 49:18, 50:14, 51:01:01-51:01:14, 51:01:16-51:01:31, 51:01:33-51:01:38, 51:01:40-51:09:02, 51:11N-51:12, 51:18-51:20, 51:22-51:24:05, 51:26-51:30, 51:32-51:33, 51:35, 51:38-51:41N, 51:43-51:44N, 51:46, 51:48-51:61:02, 51:64-51:80, 51:83-51:84, 51:86-51:91, 51:94-51:96, 51:98N-51:100, 51:102-51:105, 51:107-51:142, 51:145-51:152, 51:154, 52:01:01:01-52:07, 52:09-52:13, 52:15-52:24, 52:27-52:32, 53:19, 56:05:01-56:06, 56:15, 56:21, 57:02:01-57:03:02, 57:05, 57:07, 57:09, 57:12, 57:17, 57:28N, 57:39, 57:42, 57:46, 57:57, 57:63, 57:66, 58:08:01-58:08:02, 58:28, 78:01:01-78:06, **C*03:81, C*03:152**
8	425 bp	**800 bp**	*55:12	*56:41
9	215 bp 375 bp	1070 bp	*55:25 *55:11, 55:14	
10[5]	70 bp	1070 bp	*55:07	*07:13, 54:01:02, 59:06, 67:02, **C*07:01:22, C*07:02:31, C*08:16:02, C*15:02:06**

11[5]	90 bp 125 bp 180 bp	1070 bp	*55:48 *55:15 *55:09, 55:22, 55:24	*07:78, 13:01:01-13:02:15, 13:07N-13:09, 13:11, 13:14-13:20, 13:22:01-13:23, 13:25, 13:27-13:34, 13:36-13:45, 13:47, 13:49N-13:50, 13:52, 13:54-13:58, 13:60-13:61, 13:63N-13:70, 40:48, 45:10, 49:07, 50:31, 54:26
12	210 bp	1070 bp	*55:10	*07:02:01-07:02:27, 07:02:29-07:02:37, 07:04-07:07, 07:09, 07:11-07:12, 07:14-07:15, 07:17-07:26, 07:28, 07:30-07:31, 07:33-07:36, 07:39-07:49N, 07:51-07:64, 07:66-07:68:03, 07:73-07:82, 07:84, 07:87-07:124, 07:126-07:142, 07:143[W], 07:144-07:176, 38:26, 42:01:01-42:01:03, 42:04-42:06, 42:08, 42:10, 42:12-42:16, 42:17[W], 56:35[W], 67:01:01-67:01:02, 67:03, 81:01-81:04N, 81:06
13	145 bp	1070 bp	*55:02:01-55:02:06, 55:07, 55:10, 55:12, 55:16, 55:18-55:19, 55:22, 55:26, 55:30, 55:34-55:35, 55:37[W], 55:39, 55:41-55:43, 55:47-55:48, 55:50, 55:54	*13:01:01-13:03, 13:06-13:09, 13:11-13:12:02, 13:14-13:15, 13:17, 13:18[W], 13:19, 13:22:01-13:23, 13:25, 13:27-13:30, 13:32-13:34, 13:36-13:40, 13:42-13:45, 13:47, 13:49N-13:50, 13:52-13:58, 13:60-13:61, 13:63N-13:70, 15:86, 15:224, 35:60, 40:48, 40:71, 44:10, 46:11, 46:18, 49:11, 51:15, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:10[W], 54:12-54:13, 54:17-54:19, 54:21-54:30, 56:01:01-56:01:04, 56:01:06-56:02, 56:04, 56:07-56:08, 56:10, 56:14, 56:16-56:17, 56:19N-56:20:02, 56:23-56:24, 56:26-56:29, 56:33-56:36, 56:38N-56:42, 59:01:01:01-59:01:01:02, 59:04-59:06
14	215 bp	**800 bp**		*07:02:19, 15:01:04, 37:01:04, 40:94, 51:01:18, 54:01:01, 54:01:03-54:30, 58:01:08
15	245 bp	1070 bp	*55:01:01-55:01:06, 55:01:08-55:03, 55:05, 55:07, 55:10-55:13, 55:15-55:21, 55:23, 55:25-55:48, 55:50, 55:52-55:60	*08:09, 08:84, 13:46, 13:53, 14:37, 15:42, 15:83, 35:60, 39:06:01-39:06:03, 39:34, 39:57, 39:62, 39:64, 39:83, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16, 41:20-41:22, 41:25-41:26, 41:28-41:29, 42:04, 45:08, 46:18, 51:21, 51:36, 51:101, 51:143, 51:153, 54:01:01-54:02, 54:04-54:05N, 54:07-54:08N, 54:10-54:25, 54:27-54:30, 56:23, 59:01:01:01-59:03, 59:05-59:06, 78:07
16	245 bp	1070 bp		*13:03-13:04, 13:48, 13:62, 15:04, 15:16:01-15:16:03, 15:67, 15:95, 15:137, 15:155, 15:222, 15:254, 35:37, 35:235, 39:33, 41:17, 44:15, 44:18, 44:20, 44:47, 44:100, 45:01-45:07, 45:09, 45:11-45:14, 46:11, 46:32, 49:01:01-49:06, 49:08-49:26, 50:01:01-50:02, 50:04-50:11, 50:13-50:16, 50:18-50:20, 50:32-50:34, 51:01:01-51:01:31, 51:01:33-51:01:38, 51:01:40-51:03, 51:05, 51:07:01-51:09:02, 51:11N-51:15, 51:17-51:20, 51:22-51:24:05, 51:26-51:30, 51:32-51:33, 51:35, 51:37-51:41N, 51:43-51:44N, 51:48-51:55, 51:57-51:58, 51:60-51:61:02, 51:63, 51:65-51:80, 51:83-51:92, 51:94-51:100, 51:102-51:134, 51:136-51:138, 51:140-51:142, 51:145-51:147, 51:149N-51:152,

				51:154, 52:01:01:01-52:07, 52:09-52:32, 54:03, 56:01:01-56:01:06, 56:05:01-56:08, 56:13-56:17, 56:20:01-56:22, 56:24-56:30, 56:33-56:43, 58:08:01-58:08:02, 59:04, 78:01:01-78:06
17[5]	105 bp	1070 bp	*55:17, 55:20, 55:27-55:28, 55:39	*07:84, 08:09, 08:84, 13:35, 13:59, 13:62, 15:83, 27:14, 27:81, 40:06:01:01-40:06:07, 40:44, 40:53, 40:70, 40:75, 40:83, 40:93, 40:95-40:96, 40:103, 40:109-40:110, 40:127, 40:131, 40:148, 40:161-40:162, 40:165, 40:167, 40:177, 40:190, 40:230, 40:244, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25-41:26, 41:28-41:29, 42:04, 44:20, 44:47, 44:100, 49:18, 50:14, 50:20, 51:01:01-51:03, 51:05, 51:07:01-51:12, 51:14, 51:16-51:24:05, 51:26-51:34, 51:36, 51:38-51:41N, 51:43-51:44N, 51:48-51:55, 51:57-51:58, 51:60-51:61:02, 51:65-51:80, 51:82-51:91, 51:93-51:96, 51:98N, 51:100-51:105, 51:107-51:130, 51:132-51:134, 51:136-51:138, 51:140-51:147, 51:149N-51:154, 52:01:01:01-52:13, 52:15-52:24, 52:26-52:32, 54:04, 54:11, 54:15, 56:05:01-56:06, 56:15, 56:21, 58:08:01-58:08:02, 59:02, 78:01:01-78:07
18	215 bp 310 bp 415 bp	**800 bp**	*55:25 *55:19 *55:18, 55:31	*40:10:01-40:10:02, 54:30, 56:23, 56:42, 59:01:01:01-59:06
19	205 bp	1070 bp	*55:30, 55:36	*15:244, 39:54, **C*03:70, C*03:127, C*03:179**
20	220 bp	1070 bp	*55:20, 55:56	*08:09, 08:84, 13:46, 15:83, 41:01, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25-41:26, 41:28-41:29, 42:04, 44:15, 44:18, 44:20, 44:100, 45:01-45:14, 51:08, 51:20, 51:36, 51:44N, 51:97, 51:141, 51:153, 52:19, 56:13
21	270 bp	**800 bp**	*55:10	*18:01:01:01-18:03, 18:05-18:15, 18:18-18:28, 18:30-18:79, 18:81-18:94N, 27:75, 35:25, 35:124-35:125, 35:142, 35:162, 37:01:01-37:21, 37:23-37:40, 37:42N, 40:149[?], 44:130, 44:156, 51:116, 52:16, 52:27, 54:21, 56:16, 57:58, 58:12, 81:01, 81:03[?]-81:06[?], 82:01-82:03, 83:01
22[5]	95 bp 225 bp	**800 bp**	*55:23, 55:27	*07:84, 13:04, 13:35, 15:04, 15:16:01-15:16:03, 15:67, 15:95, 15:155, 15:222, 15:254, 35:37, 35:235, 40:44, 40:159, 41:21, 44:20, 44:47, 44:100, 45:09, 46:32, 49:04-49:05, 50:33, 51:37, 51:90, 51:92, 52:12, 52:26, 54:14-54:15 *55:09, 55:21, 55:37, 55:52, 07:78, 07:84, 13:18, 13:31, 13:41, 15:04, 15:137, 39:33, 40:161, 46:32, 51:05, 51:29, 51:54, 51:61:01-51:61:02, 51:82, 52:21, 52:24, 54:10, 54:20, 56:43
23	165 bp 220 bp	1070 bp	*55:29 *55:16, 55:21	*07:143, 13:31, 13:41, 15:04, 15:137 40:166, 42:02, 42:09, 42:17-42:18, 45:06, 46:32, 51:61:01-51:61:02, 52:21, 54:02, 56:35, 56:43

24[5]	100 bp	1070 bp	*55:13, 55:23, 55:27, 55:32, 55:58	*07:84, 13:04, 13:35, 13:46, 15:04, 15:16:01-15:16:03, 15:67, 15:95, 15:137, 15:155, 15:222, 15:254, 35:37, 35:235, 39:06:01-39:06:03, 39:33-39:34, 39:50, 39:57, 39:62, 39:64, 39:83, 40:44, 40:86, 40:159, 41:21, 44:20, 44:47, 44:100, 45:02, 45:09, 46:32, 49:04-49:05, 50:09, 50:33, 51:13:01-51:13:02, 51:37, 51:63, 51:90, 51:92, 51:97, 52:12, 52:14, 52:26, 54:14-54:15, 56:22, 59:03, 73:01-73:02
	235 bp		*55:33	
25[6]	280 bp	1070 bp	*55:26	
	380 bp		*55:18, 55:34, 55:40	*40:10:01-40:10:02
26[5,6]	75 bp	1070 bp	*55:42	
	310 bp		*55:45	
	400 bp		*55:34, 55:47	
27[5]	95 bp	1070 bp	*55:46	*54:16
	170 bp		*55:43	*51:127
28[5,6,7]	100 bp	**800 bp**	*55:41, 55:44, 55:58	*13:46, 15:137, 73:01-73:02
29[5]	95 bp	1070 bp	*55:50	*08:83, 13:06, 13:53, 18:74N, 18:78, 38:38
30[5,6]	105 bp	1070 bp	*55:35	*15:76, 15:101, 56:39
	220 bp		*55:17, 55:38	*08:09, 08:84, 15:83, 39:06:02-39:06:03, 39:34, 39:57, 39:62, 39:64, 42:04, 51:21, 51:36, 51:101, 51:143, 51:153, 78:07
31[5]	105 bp	**800 bp**	*55:13, 55:58	*13:46, 15:137, 35:235, 39:06:01-39:06:03, 39:33-39:34, 39:50, 39:57, 39:62, 39:64, 39:83, 40:86, 45:02, 50:09, 51:13:01-51:13:02, 51:92, 52:14, 56:22, 59:03, 73:01-73:02
	170 bp		*55:43	*51:127
	235 bp		*55:55N	
32[8]			**Negative Control**	

[1]Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B*55 SSP typings.
When the primers in a primer mix can give rise to HLA-specific PCR products of more than one length this is indicated if the size difference is more than 20 base pairs. Size differences of 20 base pairs or less are not given. For high resolution SSP kits, the alleles listed are specified according to amplicon length.
Nonspecific amplifications, i.e. a ladder or a smear of bands, may sometimes be seen. GC-rich primers have a higher tendency of giving rise to nonspecific amplifications than other primers.
PCR fragments longer than the control bands may sometimes be observed. Such bands should be disregarded and do not influence the interpretation of the SSP typings.
PCR fragments migrating faster than the control bands, but slower than a 400 bp fragment may be seen in some gel read-outs. Such bands can be disregarded and do not influence the interpretation of the SSP typings.
Some primers may give rise to primer oligomer artifacts. Sometimes this phenomenon is an inherit feature of the primer pair(s) of a primer mix. More often it is due to other factors such as too low amount of DNA in the PCR reactions, taking too long time in setting up the PCR reactions, working at elevated room temperature or using thermal cyclers that are not pre-heated.
[2]The internal positive control primer pairs amplify segments of the human growth hormone gene. The internal positive control bands are 1070 or 800 base pairs respectively, well distribution as outlined in the table. Well number 1 contains the shorter, 800 bp, internal positive control band. The well distribution of the internal controls can help in orientation of the kit on gel photo, as well as allow for kit identification. In the presence of a specific amplification the intensity of the control

band often decreases.

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

[4]Due to the sharing of sequence motifs between HLA-B alleles non-HLA-B*55 alleles will be amplified by primer mixes 1 to 5, 7, 8 10 to 25 and 27 to 31. In addition, a few HLA-C alleles will be amplified by primer mixes 2, 5, 7, 10 and 19.

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

[6]Primer mixes 3, 6, 25, 26, 28 and 30 may have tendencies of unspecific amplifications.

[7]Primer mix 28 has a tendency of giving rise to primer oligomer formation.

[8]Primer mix 32 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by control primer pairs. PCR product sizes range from 75 to 200 base pairs. The PCR product generated by the control primer pair is 430 base pairs.

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

'w', may be weakly amplified.

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

PRIMER SPECIFICATION

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	400	125	150	235	235	100	180	425	215	70	90	210
PCR product									375		125	
											180	
Length of int.	800	1070	1070	1070	800	1070	1070	800	1070	1070	1070	1070
pos. control[1]												
5'-primer(s)[2]	41	379	420	106	363	245	419	48	48	175	186	103
	5' -CTg 3'	5' -ACC 3'	5' -TTA 3'	5' -CCA 3'	5' -AgC 3'	5' -ggC 3'	5' -gTA 3'	5' -gCC 3'	5' -gCC 3'	5' -TgA 3'	5' -AgA 3'	5' -CCT 3'
		379							272		420	
		5' -ACC 3'							5' -CTA 3'		5' -TTA 3'	
3'-primer(s)[3]	272	463	527	299	559	302	559	302	94	206	272	272
	5' -TgT 3'	5' -gCT 3'	5' -CCT 3'	5' -TCA 3'	5' -CgT 3'	5' -ggC 3'	5' -CAg 3'	5' -ggT 3'	5' -gAC 3'	5' -CCC 3'	5' -TgT 3'	5' -TgT 3'
									362		469	
									5' -TCA 3'		5' -CCg 3'	
											559	
											5' -CTC 3'	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Well No.	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	145	215	245	245	105	215	205	220	270	95	165	100
PCR product						310				225	220	235
						415						
Length of int.	1070	800	1070	1070	1070	800	1070	1070	800	800	1070	1070
pos. control[1]												
5'-primer(s)[2]	420	1st I	357	357	357	48	134	357	41	357	97	357
	5' -TTA 3'	5' -CAg 3'	5' -Tgg 3'	5' -Tgg 3'	5' -Tgg 3'	5' -gCC 3'	5' -CCA 3'	5' -Tgg 3'	5' -CTg 3'	5' -Tgg 3'	5' -TCC 3'	5' -Tgg 3'
							141				357	
							5' -ATg 3'				5' -Tgg 3'	
3'-primer(s)[3]	523	175	559	559	419	94	299	538	142	412	272	412
	5' -ACA 3'	5' -CCg 3'	5' -CgT 3'	5' -CAg 3'	5' -CgT 3'	5' -gAC 3'	5' -TCT 3'	5' -gTC 3'	5' -TgA 3'	5' -gTC 3'	5' -TgT 3'	5' -gTC 3'
	527				424	187				539	479	419
	5' -CCA 3'				5' -gTg 3'	5' -gTT 3'				5' -TCC 3'	5' -CCA 3'	5' -Cgg 3'
						292					538	419
						5' -gTA 3'					5' -CCA 3'	5' -CgA 3'
						292						550
						5' -gTA 3'						5' -CAT 3'
						292						
						5' -gTA 3'						
Well No.	13	14	15	16	17	18	19	20	21	22	23	24

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

Well No.	25	26	27	28	29	30	31
Length of spec.	280	75	95	100	95	105	105
PCR product	380	310	170			220	170
		400					235
Length of int.	1070	1070	1070	800	1070	1070	800
pos. control[1]							
5'-primer(s)[2]	48	41	357	362	506	209	357
	5' -gCC 3'	5' -CTg 3'	5' -Tgg 3'	5' -gAC 3'	5' -gCT 3'	5' -ggC 3'	5' -Tgg 3'
		431				379	
		5' -CgA 3'				5' -ACg 3'	
3'-primer(s)[3]	160	181	412	409	559	272	419
	5' -gTT 3'	5' -gTT 3'	5' -gTC 3'	5' -ATA 3'	5' -CgT 3'	5' -TgT 3'	5' -CgA 3'
	259	272	487	427		559	487
	5' -CTC 3'	5' -Tgg 3'	5' -CgT 3'	5' -gTg 3'		5' -CgT 3'	5' -CgT 3'
	259	463					549
	5' -CTC 3'	5' -gCT 3'					5' -AgT 3'
Well No.	25	26	27	28	29	30	31

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

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

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

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*55 SSP subtyping kit[2]

					Well													
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Prod. No.:	201193001	201193002	201193003	201193004	201193005	201211106	201193007	201193008	201211109	201211110	201193011	201193012	201328613	201193014	201193015	201193016
	IHWC cell line[1]		B*																	
1	9001	SA	*07:02		-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
2	9280	LK707	*52:01	*73:01	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	+
3	9011	E4181324	*52:01		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	+
4	9275	GU373	*15:10	*53:01	-	+	-	-	-	-	+	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*37:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353	SM	*39:01	*51:01	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	+
7	9020	QBL	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9025	DEU	*35:01		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9025	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	+	+	+	-	-	-	-	-	-	-	-	-	-	-	+	-
18	9257	32367	*14:01	*56:01	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+
19	9038	BM16	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	+
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*13:02	*46:01	-	+	-	+	-	-	-	-	-	-	+	-	+	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	-	+	-	-	+	-	-	-	-	-	+	-	-	-	-	+
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-
47	9045	TUBO	*51:01		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	+
48	9303	TER-ND	*35:01	*44:03	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*55 SSP subtyping kit[2]

					Well														
					17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
				Prod. No.:	201328617	201211118	201193019	201211120	201193021	201193022	201193023	201193024	201211125	201193026	201193027	201193028	201211132	201211130	201328631
	IHWC cell line[1]		B*																
1	9001	SA	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280	LK707	*52:01	*73:01	+	-	-	-	-	-	-	+	-	-	-	+	-	-	+
3	9011	E4181324	*52:01		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275	GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*37:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
6	9353	SM	*39:01	*51:01	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020	QBL	*18:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
8	9025	DEU	*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*54:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9025	JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037	SWEIG007	*40:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282	CTM3953540	*08:01	*55:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257	32367	*14:01	*56:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038	BM16	*18:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064	AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*35:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*40:02	*56:02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035	JBUSH	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*58:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*07:05	*51:01	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*44:03		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*42:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*18:01		-	-	-	-	+	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*41:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*40:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104	DHIF	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*44:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*15:01	*35:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099	LZL	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*08:01	*27:05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*13:02	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055	H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*38:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*42:01	*50:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*07:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045	TUBO	*51:01		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

[1]The provided cell line HLA specificities are retrieved from the http://www.ihwg.org/hla web site. The specificity of an individual cell line may thus be subject to change.
[2]The specificity of each primer solution in the kit has been tested against 48 well characterized cell line

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

DNAs and where applicable, additional cell line DNAs.
No DNAs carrying the alleles to be amplified by primer solutions 6, 8, 9, 10, 19, 25 to 27, 29 and 30 were available. The specificities of the primers in primer solutions 8, 10, 19, 25 to 27, 29 and 30 were tested by separately adding one additional 5'-primer, respectively one additional 3'-primer. In primer solution 6 it was only possible to test the 3'-primer, the 5'-primer was not possible to test. In primer solution 9 it was only possible to test the 5'-primers, the 3'-primers were not possible to test. In primer solutions 2, 11, 19 and 26 one 5'-primer was not possible to test, and in primer solutions 11, 13, 17, 18, 23 to 28 and 31 one to three 3'-primers were not possible to test. Additional primers in primer solutions 11 and 18 were tested by separately adding one additional 3'-primer and/or one additional 5'-primer.

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

101.570-06 – including *Taq* polymerase, IFU-01
101.570-06u – without *Taq* polymerase, IFU-02

Visit www.olerup-ssp.com for **"Instructions for Use" (IFU)**

Lot No.: 19V **Lot-specific information**

Addresses:

Manufacturer:
Olerup SSP AB, Franzengatan 5, SE-112 51 Stockholm, Sweden.
Tel: +46-8-717 88 27
Fax: +46-8-717 88 18
E-mail: info-ssp@olerup.com
Web page: http://www.olerup-ssp.com

Distributed by:
Olerup GmbH, Löwengasse 47 / 6, AT-1030 Vienna, Austria.
Tel: +43-1-710 15 00
Fax: +43-1-710 15 00 10
E-mail: support-at@olerup.com
Web page: http://www.olerup.com

Olerup Inc., 901 S. Bolmar St., Suite R, West Chester, PA 19382
Tel: 1-877-OLERUP1
Fax: 610-344-7989
E-mail: info.us@olerup.com
Web page: http://www.olerup.com

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