101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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

Lot No.: 3D9

Lot-specific information

Olerup SSP® HLA-B*07

Product number:	**101.512-24/03 – including *Taq* pol.** **101.512-24u/03u – without *Taq* pol.**
Lot number:	**3D9**
Expiry date:	**2018-07-01**
Number of tests:	**24 tests – Product No. 101.512-24/24u** **3 tests – Product No. 101.512-03/03u**
Number of wells per test:	**87+1**
Storage - pre-aliquoted primers:	**dark at -20ºC**
- PCR Master Mix:	**-20ºC**
- Adhesive PCR seals	**RT**
- Product Insert	**RT**

This Product Description is only valid for Lot No. 3D9.

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*07 LOT (84V)

The HLA-B*07 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.

Four wells have been added to HLA-B*07, wells **85 to 88**.

[1]As described in section Uniquely Identified Alleles.

The HLA-B*07 primer set, specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup* SSP® HLA-B*07 lot was made **(Lot No. 84V)**. The kit design is based on IMGT/HLA database 3.22.0.

Lot No.: 3D9 **Lot-specific information**

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

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

Well	5'-primer	3'-primer	rationale
3	Added	-	5'-primer added for the B*07:02:46 allele.
35	Modified	-	5'-primer modified for improved HLA-specific amplification.
54	-	Added	3'-primer added for the B*07:238 allele.
69	-	Added	3'-primer added for the B*07:136:02 allele.
76	-	Added	3'-primer added for the B*07:136:02 allele.
78	-	Added	3'-primer added for the B*07:231N allele.
81	Exchanged	Exchanged	Exchanged primer pair for increased amplification.
84	Added	Added	Updated negative control moved to well 88, primer pair added for the B*07:248 allele.
85	New	New	New primer pairs added for the B*07:208 and B*07:238 alleles.
86	New	New	New primer pair added for the B*07:219 allele.
87	New	New	New primer pair added for the B*07:251N allele.
88	-	-	Updated negative control added from well 84.

Changes in revision R01 compared to R00:

1. Primer mix 84 does not amplify the B*07:248 allele. Thus, this lot of the B*07 kit cannot distinguish the B*07:163 and the B*07:248 alleles.This primer mix may also give rise to a lower yield of HLA-specific PCR product than the other HLA-B*07 high resolution primer mixes. This has been corrected in the Specificity and Interpretation Tables.

Changes in revision R02 compared to R01:

1. Primer mix 22 does not amplify the B*07:23 and the B*40:79, 40:190, 40:289 and 41:14 alleles. Thus, this lot of the B*07 kit cannot distinguish the B*07:23 and the B*07:02:01-07:02:25, 07:02:27, 07:02:29-07:02:48, 07:124, 07:127, 07:133-07:134, 07:141-07:142, 07:144-07:145, 07:150, 07:152, 07:155, 07:157-07:159, 07:166, 07:170-07:171, 07:173, 07:177-07:179, 07:185, 07:187-07:190, 07:192, 07:194-07:195, 07:200, 07:203, 07:205, 07:211-07:212, 07:215-07:218, 07:221, 07:224, 07:230, 07:233-07:234, 07:241-07:245, 07:247, 07:250, 07:252, 07:254 and 07:256 alleles. This has been corrected in the Specificity and Interpretation Tables.

101.512-24/03 – including *Taq* pol., IFU-01
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Lot No.: 3D9 **Lot-specific information**

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

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

Length of PCR product	**105**	**200**	**105**	**80**	**75**	**80**	**85**
5'-primer[1]	**164**	**340**	**440**	**45**	**45**	**43**	**36**
	5'-CAC3'	5'-Agg3'	5'-TTA3'	5'-Tgg3'	5'-Tgg3'	5'-Tgg3'	5'-TAC3'
							36
							5'-TAT3'
3'-primer[2]	**231**	**2nd I**	**507**	**59**	**58**	**57**	**47**
	5'-TgC3'	5'-AAA3'	5'-TTg3'	5'-CTC3'	5'-ggC3'	5'-CTC3'	5'-ACA3'
							48
							5'-gCA3'
							48
							5'-gCC3'
							52
							5'-TgT3'
A*	+	+	+				
B*	+	+	+				
C*	+	+	+				
DRB1				+	+		
DRB3				+	+		
DRB5				+			
DQB1					+		
DPB1						+	
DQA1							+

[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 codonnumbering 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.

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

PRODUCT DESCRIPTION

HLA-B*07 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*07:02 to B*07:256 alleles.

PLATE LAYOUT

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

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

The 96 well cut PCR plate is marked with 'HLA-B*07' in silver/gray ink.
Well No. 1 is marked with the Lot Number '3D9'.
Wells 1 to 87 – HLA-B*07 high resolution primers.
Well 88 – Negative Control (NC).
A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays, and should be disregarded.
The PCR plates are covered with a PCR-compatible foil.

INTERPRETATION

Due to the sharing of sequence motifs between HLA-B alleles, non-HLA-B*07 alleles will be amplified by primer mixes 1 to 20, 22 to 27, 29 to 33, 35, 37 to 40, 43 to 53, 56, 59, 60, 62 to 69, 72 to 75, 77, 81 to 84 and 86. In addition, a few HLA-A and HLA-C alleles will be amplified by primer mixes 3 to 5, 7, 9, 10, 12 to 14, 18, 20, 23, 26, 27, 29 to 32, 48, 53, 56, 59, 63, 72, 81, 82 and 86.
For further details see Specificity Table.

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*07 alleles, i.e. **B*07:02 to B*07:256**, recognized by the HLA Nomenclature Committee in October 2015[1,2] will be amplified by the primers in the HLA-B*07 subtyping kit[3,4,5].

Lot No.: 3D9 **Lot-specific information**

The HLA-B*07 kit enables separation of the confirmed HLA-B*07 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*07 alleles is listed below.

The HLA-B*07 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

The following HLA-B*07 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*07:42, 07:118	26	B*07:94, 07:135	63
B*07:49N, 07:169	73	B*07:102, 07:106	69
B*07:61, 07:149	33	B*07:107, 07:181N	71
B*07:63, 07:143	35	B*07:121, 07:126	75
B*07:89, 07:246	59	B*07:129, 07:231N	78

The HLA-B*07 subtyping kit cannot distinguish the following silent mutations: the B*07:02:01-07:02:25, 07:02:27 and 07:02:29-07:02:48, the B*07:05:01-07:05:08, the B*07:22:01-07:22:02, the B*07:33:01-07:33:03, the B*07:56:01-B*07:56:02, the B*07:68:01-07:68:03, the B*07:96:01-07:96:02, the 07:136:01-07:136:02 or the B*07:151:01-07:151:02 alleles.

[1]HLA-B alleles listed on the IMGT/HLA web page 2015-October-10, release 3.22.0, 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 B*07:50 and B*48:08 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution kit and/or the HLA-B*48 high resolution kit.
[4]This lot of the B*07 kit cannot distinguish the B*07:163 and the B*07:248 alleles.
[5]This lot of the B*07 kit cannot distinguish the B*07:23 and the B*07:02:01-07:02:25, 07:02:27, 07:02:29-07:02:48, 07:124, 07:127, 07:133-07:134, 07:141-07:142, 07:144-07:145, 07:150, 07:152, 07:155, 07:157-07:159, 07:166, 07:170-07:171, 07:173, 07:177-07:179, 07:185, 07:187-07:190, 07:192, 07:194-07:195, 07:200, 07:203, 07:205, 07:211-07:212, 07:215-07:218, 07:221, 07:224, 07:230, 07:233-07:234, 07:241-07:245, 07:247, 07:250, 07:252, 07:254 and 07:256 alleles.

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

ALLELE CONFIRMATION STATUS

Allele	Status[1]	Allele	Status[1]	Allele	Status[1]	Allele	Status[1]
B*07:02:01	**Confirmed**	**B*07:05:01**	**Confirmed**	B*07:44	Unconfirmed	**B*07:91**	**Confirmed**
B*07:02:02	**Confirmed**	B*07:05:02	Unconfirmed	B*07:45	Unconfirmed	**B*07:92**	**Confirmed**
B*07:02:03	**Confirmed**	B*07:05:03	Unconfirmed	B*07:46	Unconfirmed	B*07:93	Unconfirmed
B*07:02:04	Unconfirmed	B*07:05:04	Unconfirmed	**B*07:47**	**Confirmed**	**B*07:94**	**Confirmed**
B*07:02:05	Unconfirmed	**B*07:05:05**	**Confirmed**	**B*07:48**	**Confirmed**	**B*07:95**	**Confirmed**
B*07:02:06	Unconfirmed	B*07:05:06	Unconfirmed	B*07:49N	Unconfirmed	**B*07:96:01**	**Confirmed**
B*07:02:07	**Confirmed**	B*07:05:07	Unconfirmed	B*07:50	Unconfirmed	B*07:96:02	Unconfirmed
B*07:02:08	**Confirmed**	**B*07:05:08**	**Confirmed**	**B*07:51**	**Confirmed**	B*07:97	Unconfirmed
B*07:02:09	Unconfirmed	**B*07:06**	**Confirmed**	B*07:52	Unconfirmed	**B*07:98**	**Confirmed**
B*07:02:10	**Confirmed**	**B*07:07**	**Confirmed**	**B*07:53**	**Confirmed**	B*07:99	Unconfirmed
B*07:02:11	Unconfirmed	**B*07:08**	**Confirmed**	**B*07:54**	**Confirmed**	B*07:100	Unconfirmed
B*07:02:12	Unconfirmed	**B*07:09**	**Confirmed**	B*07:55	Unconfirmed	B*07:101	Unconfirmed
B*07:02:13	**Confirmed**	**B*07:10**	**Confirmed**	B*07:56:01	Unconfirmed	**B*07:102**	**Confirmed**
B*07:02:14	**Confirmed**	B*07:11	Unconfirmed	**B*07:56:02**	**Confirmed**	**B*07:103**	**Confirmed**
B*07:02:15	**Confirmed**	**B*07:12**	**Confirmed**	**B*07:57**	**Confirmed**	B*07:104	Unconfirmed
B*07:02:16	Unconfirmed	**B*07:13**	**Confirmed**	B*07:58	Unconfirmed	**B*07:105**	**Confirmed**
B*07:02:17	**Confirmed**	**B*07:14**	**Confirmed**	B*07:59	Unconfirmed	**B*07:106**	**Confirmed**
B*07:02:18	Unconfirmed	**B*07:15**	**Confirmed**	B*07:60	Unconfirmed	B*07:107	Unconfirmed
B*07:02:19	Unconfirmed	**B*07:16**	**Confirmed**	B*07:61	Unconfirmed	B*07:108	Unconfirmed
B*07:02:20	Unconfirmed	**B*07:17**	**Confirmed**	**B*07:62**	**Confirmed**	**B*07:109**	**Confirmed**
B*07:02:21	**Confirmed**	B*07:18:01	Unconfirmed	**B*07:63**	**Confirmed**	**B*07:110**	**Confirmed**
B*07:02:22	Unconfirmed	**B*07:18:02**	**Confirmed**	**B*07:64**	**Confirmed**	**B*07:111N**	**Confirmed**
B*07:02:23	**Confirmed**	**B*07:19**	**Confirmed**	B*07:65	Unconfirmed	B*07:112	Unconfirmed
B*07:02:24	Unconfirmed	**B*07:20**	**Confirmed**	B*07:66	Unconfirmed	B*07:113	Unconfirmed
B*07:02:25	Unconfirmed	B*07:21	Unconfirmed	B*07:67N	Unconfirmed	B*07:114	Unconfirmed
B*07:02:26	Unconfirmed	B*07:22:01	Unconfirmed	**B*07:68:01**	**Confirmed**	B*07:115	Unconfirmed
B*07:02:27	**Confirmed**	**B*07:22:02**	**Confirmed**	**B*07:68:02**	**Confirmed**	B*07:116	Unconfirmed
B*07:02:28	**Confirmed**	B*07:23	Unconfirmed	**B*07:68:03**	**Confirmed**	B*07:117	Unconfirmed
B*07:02:29	Unconfirmed	**B*07:24**	**Confirmed**	**B*07:69**	**Confirmed**	B*07:118	Unconfirmed
B*07:02:30	Unconfirmed	B*07:25	Unconfirmed	B*07:70	Unconfirmed	**B*07:119**	**Confirmed**
B*07:02:31	Unconfirmed	**B*07:26**	**Confirmed**	**B*07:71**	**Confirmed**	B*07:120	Unconfirmed
B*07:02:32	Unconfirmed	B*07:27	Unconfirmed	**B*07:72**	**Confirmed**	B*07:121	Unconfirmed
B*07:02:33	**Confirmed**	B*07:28	Unconfirmed	**B*07:73**	**Confirmed**	**B*07:122**	**Confirmed**
B*07:02:34	**Confirmed**	B*07:29	Unconfirmed	**B*07:74**	**Confirmed**	B*07:123	Unconfirmed
B*07:02:35	**Confirmed**	B*07:30	Unconfirmed	B*07:75	Unconfirmed	B*07:124	Unconfirmed
B*07:02:36	**Confirmed**	**B*07:31**	**Confirmed**	**B*07:76**	**Confirmed**	**B*07:125**	**Confirmed**
B*07:02:37	Unconfirmed	**B*07:32**	**Confirmed**	**B*07:77**	**Confirmed**	**B*07:126**	**Confirmed**
B*07:02:38	Unconfirmed	**B*07:33:01**	**Confirmed**	B*07:78	Unconfirmed	B*07:127	Unconfirmed
B*07:02:39	Unconfirmed	B*07:33:02	Unconfirmed	B*07:79	Unconfirmed	B*07:128	Unconfirmed
B*07:02:40	Unconfirmed	B*07:33:03	Unconfirmed	**B*07:80**	**Confirmed**	B*07:129	Unconfirmed
B*07:02:41	**Confirmed**	B*07:34	Unconfirmed	B*07:81	Unconfirmed	B*07:130	Unconfirmed
B*07:02:42	Unconfirmed	B*07:35	Unconfirmed	**B*07:82**	**Confirmed**	**B*07:131**	**Confirmed**
B*07:02:43	Unconfirmed	**B*07:36**	**Confirmed**	B*07:83	Unconfirmed	**B*07:132**	**Confirmed**
B*07:02:44	Unconfirmed	**B*07:37**	**Confirmed**	B*07:84	Unconfirmed	B*07:133	Unconfirmed
B*07:02:45	Unconfirmed	**B*07:38**	**Confirmed**	B*07:85	Unconfirmed	B*07:134	Unconfirmed
B*07:02:46	Unconfirmed	B*07:39	Unconfirmed	**B*07:86**	**Confirmed**	B*07:135N	Unconfirmed
B*07:02:47	Unconfirmed	B*07:40	Unconfirmed	**B*07:87**	**Confirmed**	**B*07:136:01**	**Confirmed**
B*07:02:48	Unconfirmed	B*07:41	Unconfirmed	**B*07:88**	**Confirmed**	B*07:136:02	Unconfirmed
B*07:03	**Confirmed**	**B*07:42**	**Confirmed**	B*07:89	Unconfirmed	B*07:137	Unconfirmed
B*07:04	**Confirmed**	**B*07:43**	**Confirmed**	B*07:90	Unconfirmed	B*07:138	Unconfirmed

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

Allele	Status[1]	Allele	Status[1]	Allele	Status[1]
B*07:139	Unconfirmed	B*07:178	Unconfirmed	B*07:218	Unconfirmed
B*07:140	Unconfirmed	B*07:179	Unconfirmed	**B*07:219**	**Confirmed**
B*07:141	Unconfirmed	B*07:180	Unconfirmed	B*07:220	Unconfirmed
B*07:142	Unconfirmed	B*07:181N	Unconfirmed	B*07:221	Unconfirmed
B*07:143	**Confirmed**	B*07:182N	Unconfirmed	**B*07:222**	**Confirmed**
B*07:144	Unconfirmed	B*07:183	Unconfirmed	B*07:223	Unconfirmed
B*07:145	Unconfirmed	B*07:184	Unconfirmed	B*07:224	Unconfirmed
B*07:146	Unconfirmed	B*07:185	Unconfirmed	B*07:225	Unconfirmed
B*07:147	Unconfirmed	B*07:186	Unconfirmed	B*07:226	Unconfirmed
B*07:148	**Confirmed**	B*07:187	Unconfirmed	B*07:227	Unconfirmed
B*07:149	**Confirmed**	B*07:188	Unconfirmed	B*07:228	Unconfirmed
B*07:150	Unconfirmed	B*07:189	Unconfirmed	B*07:229	Unconfirmed
B*07:151:01	**Confirmed**	B*07:190	Unconfirmed	B*07:230	Unconfirmed
B*07:151:02	Unconfirmed	B*07:191	Unconfirmed	B*07:231N	Unconfirmed
B*07:152	Unconfirmed	B*07:192	Unconfirmed	B*07:232	Unconfirmed
B*07:153	Unconfirmed	B*07:193	Unconfirmed	B*07:233	Unconfirmed
B*07:154	Unconfirmed	B*07:194	Unconfirmed	B*07:234	Unconfirmed
B*07:155	Unconfirmed	B*07:195	Unconfirmed	B*07:235	Unconfirmed
B*07:156	Unconfirmed	B*07:196	Unconfirmed	B*07:236	Unconfirmed
B*07:157	Unconfirmed	B*07:197	Unconfirmed	**B*07:237**	**Confirmed**
B*07:158	Unconfirmed	B*07:198	Unconfirmed	**B*07:238**	**Confirmed**
B*07:159	Unconfirmed	B*07:199	Unconfirmed	B*07:239	Unconfirmed
B*07:160	**Confirmed**	B*07:200	Unconfirmed	B*07:240	Unconfirmed
B*07:161N	Unconfirmed	B*07:201N	Unconfirmed	B*07:241	Unconfirmed
B*07:162	Unconfirmed	B*07:202	Unconfirmed	B*07:242	Unconfirmed
B*07:163	**Confirmed**	B*07:203	Unconfirmed	B*07:243	Unconfirmed
B*07:164	Unconfirmed	B*07:204	Unconfirmed	B*07:244	Unconfirmed
B*07:165	Unconfirmed	B*07:205	Unconfirmed	B*07:245	Unconfirmed
B*07:166	Unconfirmed	**B*07:206**	**Confirmed**	B*07:246	Unconfirmed
B*07:167N	Unconfirmed	B*07:207	Unconfirmed	B*07:247	Unconfirmed
B*07:168	Unconfirmed	**B*07:208**	**Confirmed**	**B*07:248**	**Confirmed**
B*07:169	Unconfirmed	B*07:209	Unconfirmed	B*07:249	Unconfirmed
B*07:170	Unconfirmed	B*07:210	Unconfirmed	B*07:250	Unconfirmed
B*07:171	Unconfirmed	B*07:211	Unconfirmed	B*07:251N	Unconfirmed
B*07:172	Unconfirmed	B*07:212	Unconfirmed	B*07:252	Unconfirmed
B*07:173	Unconfirmed	B*07:213	Unconfirmed	B*07:253	Unconfirmed
B*07:174	**Confirmed**	B*07:214	Unconfirmed	B*07:254	Unconfirmed
B*07:175	**Confirmed**	B*07:215	Unconfirmed	B*07:255	Unconfirmed
B*07:176	Unconfirmed	B*07:216	Unconfirmed	B*07:256	Unconfirmed
B*07:177	Unconfirmed	B*07:217	Unconfirmed		

[1]Allele status "confirmed" or "unconfirmed" as listed on the IMGT/HLA web page 2015-October-10, release 3.22.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HOMO- AND HETEROZYGOTES

Results file with resolution in HLA-B*07 homo- and heterozygotes is available upon request.

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9

Lot-specific information

SPECIFICITY TABLE

HLA-B*07 SSP subtyping

Specificities and sizes of the PCR products of the 87+1 primer mixes used for HLA-B*07 SSP subtyping

Primer Mix	Size of spec. PCR product[1]	Size of control band[2]	Amplified HLA-B*07 alleles[3]	Other amplified HLA Class I alleles[4]
1	395 bp	**800 bp**	*07:02:01-07:02:27, 07:02:29-07:02:48, 07:04-07:07, 07:09, 07:10[w], 07:11-07:12, 07:14-07:15, 07:17-07:26, 07:28-07:31, 07:33:01-07:36, 07:39-07:49N, 07:51-07:64, 07:66-07:68:03, 07:70-07:82, 07:84, 07:86-07:124, 07:126-07:179, 07:181N-07:182N, 07:184-07:206, 07:208-07:218, 07:220-07:227, 07:229-07:256	*08:123, 08:132, 14:21, 38:26, 40:166[?], 42:01:01-42:02:01:02, 42:04-42:06, 42:08-42:10, 42:12-42:21, 45:06, 67:01:01-67:01:03, 67:03-67:05, 73:01[w]-73:02[w], 81:02
2	285 bp	1070 bp	*07:02:01-07:06, 07:08-07:11, 07:13, 07:15-07:17, 07:20-07:32, 07:34-07:39, 07:41-07:52, 07:54-07:59, 07:61-07:76, 07:79-07:83, 07:85-07:99, 07:101-07:121, 07:123-07:136:02, 07:138, 07:140-07:161N, 07:164, 07:166-07:192, 07:194-07:195, 07:199-07:213, 07:215-07:224, 07:226, 07:228-07:234, 07:236-07:238, 07:240-07:247, 07:249-07:254, 07:256	*08:79, 08:156, 35:66, 37:07, 40:15-40:16, 40:31-40:32, 40:45, 40:80, 40:98, 42:05:01-42:05:02, 48:01:01-48:01:06, 48:05-48:12, 48:14-48:16, 48:18-48:20, 48:22, 48:27-48:37, 81:01-81:08
3	235 bp	1070 bp	*07:02:01-07:04, 07:07-07:13, 07:15-07:16, 07:18:01-07:18:02, 07:20-07:27, 07:29-07:31, 07:35-07:39, 07:41-07:52, 07:54-07:59, 07:61-07:68:03, 07:70-07:73, 07:75-07:77, 07:79, 07:81-07:89, 07:91-07:95, 07:98-07:99, 07:101-07:104, 07:106-07:111N, 07:113-07:114, 07:116-07:121, 07:124-07:136:02, 07:141-07:153, 07:155-07:164, 07:166-07:167N, 07:169-07:171, 07:173-07:175, 07:177-07:181N, 07:183-07:190, 07:192-07:196, 07:198-07:200,	*08:156, 15:138, 15:241, 18:35, 18:110, 35:66, 37:07, 40:31-40:33, 40:52, 40:59, 40:98, 46:06, 48:08, 48:23, **C*02:23**

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27	165 bp 215 bp	**800 bp**	*07:41 *07:29, 07:186	 *08:123, 08:132, **C*07:335**
28[5,8]	110 bp	1070 bp	*07:30	
29[5,6,8]	85 bp	**800 bp**	*07:31, 07:34, 07:43	*18:110, 40:199, 41:08, 42:05:01-42:05:02, 48:37, **C*07:38:01-07:38:02**
	200 bp		*07:44	
30	190 bp	**800 bp**	*07:05:01-07:06, 07:32, 07:40, 07:53, 07:69, 07:78, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:137-07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206-07:207, 07:209-07:210, 07:213-07:214, 07:222, 07:249	*08:40, 08:79, 13:01:01-13:01:02, 13:01:04-13:02:16, 13:02:18, 13:07N-13:09, 13:11, 13:13:01-13:23, 13:25, 13:27-13:33, 13:36-13:45, 13:47, 13:49N-13:50, 13:52, 13:54-13:61, 13:63N-13:71, 13:73-13:78, 13:80-13:85, 27:07:01-27:07:04, 27:11, 27:20, 27:24, 27:27, 27:33, 27:43, 27:125, 27:130, 35:31, 35:88, 35:230, 39:47, 39:50, 40:01:01-40:01:20, 40:01:22-40:01:25, 40:01:27, 40:01:29-40:01:31, 40:01:33-40:02:09, 40:02:11-40:02:12, 40:02:14-40:02:17, 40:02:19-40:02:24, 40:04, 40:06:01:01-40:06:09, 40:06:11-40:08, 40:10:01:01-40:16, 40:19, 40:21-40:23, 40:25, 40:27:01-40:27:02, 40:29-40:30, 40:34-40:38, 40:40, 40:43, 40:45-40:50, 40:53-40:58, 40:61-40:62, 40:64-40:70:02, 40:72:01-40:88, 40:90-40:91, 40:93-40:97, 40:99-40:119, 40:121-40:123, 40:125-40:130:02, 40:132, 40:134-40:158, 40:160:01-40:162, 40:164-40:171, 40:173, 40:175-40:179, 40:182-40:183, 40:185-40:186, 40:188-40:198, 40:200-40:266, 40:268-40:279, 40:281-40:283, 40:285-40:304, 40:306, 40:308-40:317, 41:19, 44:31, 48:01:01-48:01:06, 48:03:01-48:07, 48:09-48:16, 48:18-48:22, 48:24, 48:28-48:36, 51:10, 51:16, 51:31, 51:34, 51:81-51:82, 51:93, 52:08, 54:26, 55:09, 55:22, 55:24, 58:27, 59:09, 78:08, 81:01-81:08, **C*02:68**
31	215 bp	**800 bp**	*07:55, 07:100	*08:70, 15:07:01-15:07:03, 15:45, 15:68, 15:126, 15:207, 15:324, 15:331, 46:12, 48:19, **C*02:60**

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32[10]	190 bp	1070 bp	*07:34	*08:01:01-08:01:22, 08:01:24-08:05, 08:08N-08:10, 08:12:01-08:13, 08:15-08:20, 08:22-08:24, 08:26:01-08:27, 08:29-08:36, 08:38-08:39, 08:41-08:48, 08:50-08:73, 08:75-08:76, 08:78, 08:80-08:86N, 08:88, 08:90-08:106, 08:109-08:110, 08:112-08:124, 08:126-08:155, 13:06, 13:53, 14:13, 15:42, 15:83, 15:86, 15:188, 15:224, 15:252, 18:26, 18:61, 18:97, 35:60, 35:87, 35:276, 37:12, 38:01:01, 38:01:03-38:01:05, 38:01:07-38:02:05, 38:02:07-38:07, 38:09-38:21, 38:23-38:28, 38:31-38:51, 38:53-38:58, 39:01:01:01-39:01:01:04, 39:01:03-39:01:18, 39:01:20-39:06:05, 39:08-39:14, 39:16, 39:18-39:20, 39:22-39:24:02, 39:26-39:28, 39:30-39:31, 39:34-39:37, 39:39:01-39:39:02, 39:41-39:42, 39:44-39:46, 39:48, 39:51-39:54, 39:56-39:66, 39:68-39:73, 39:75-39:88, 39:90, 39:92-39:95N, 39:97N, 39:99-39:101, 39:103-39:107, 40:39, 40:51, 40:163, 40:184, 40:199, 41:01:01-41:03:02, 41:05-41:09, 41:11-41:16, 41:20, 41:22-41:41, 42:01:01-42:02:01:02, 42:04-42:08, 42:10-42:15, 42:17-42:19, 42:21, 44:166, 46:18, 48:37, 51:21, 51:36, 51:101,

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33[5,6]	90 bp 350 bp	1070 bp	*07:149 *07:61	*08:02, 08:117, 13:36, 15:89, 15:115, 18:09, 38:02:01-38:02:06, 38:08, 38:15, 38:18, 38:23, 38:29, 38:35, 38:43-38:50, 44:12, 44:232, 51:54, 51:78:01-51:78:02, 53:09, 53:11-53:13, 53:31, 53:36, 56:07, 59:08
34	155 bp	1070 bp	*07:62, 07:90	
35[5,8]	105 bp 215 bp	1070 bp	*07:63 *07:143	*40:166, 42:02:01:01-42:02:01:02, 42:09, 42:17-42:18, 45:06, 54:02, 55:16, 56:35
36	180 bp 250 bp	1070 bp	*07:167N, 07:201N *07:64	
37	210 bp	1070 bp	*07:65, 07:206	*08:26:03, 15:32:02, 18:04, 35:08:05, 35:42:02, 35:185, 39:63, 40:01:11, 40:58, 46:40:01, 56:05:01, 56:06, 78:01:01-78:01:02, 78:02:02-78:03, 78:07-78:09
38[8]	190 bp 215 bp	1070 bp	*07:103, 07:113 *07:66	*08:64
39[7]	425 bp	1070 bp	*07:05:01-07:06, 07:34, 07:40, 07:53, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123[w], 07:137-07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206, 07:209-07:210, 07:213, 07:222, 07:249	*08:123, 08:132, 08:146, 40:61[w], 40:166, 42:01:01-42:02:01:02, 42:04-42:05:02, 42:07-42:08, 42:10, 42:12-42:15, 42:17-42:19, 42:21, 54:04, 54:11, 55:04, 55:08, 55:17, 55:20, 55:28, 55:49, 55:51, 56:05:01-56:06, 56:12, 56:15, 56:21, 81:01-81:04N, 81:06-81:08
40[8]	265 bp 395 bp	1070 bp	*07:56:01-07:56:02, 07:72, 07:206 *07:83	*08:26:01-08:26:03, 08:56:01-08:56:02, 38:28, 39:63, 40:21[?], 40:58[?], 40:137[?], 40:248[?], 40:282[?], 41:12, 41:36, 42:21, 49:03
41	400 bp 425 bp	1070 bp	*07:58 *07:156	
42	195 bp 225 bp	1070 bp	*07:67N *07:71	
43	185 bp	1070 bp	*07:68:01-07:68:03, 07:214, 07:237	*15:138, 15:230, 15:241, 15:297, 18:35, 18:110, 35:66, 40:77, 40:87:01-40:87:02, 40:121, 40:158, 40:222, 40:237, 44:150, 48:12, 48:14, 48:26, 48:29
44[8]	150 bp	1070 bp	*07:10	*27:75[w], 73:01[w]-73:02[w]
45[5]	105 bp	1070 bp	*07:27, 07:50	*08:04, 08:17, 08:54, 08:110, 15:03:01:01-15:03:05, 15:47:01-15:47:02, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:68-15:69,

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46	425 bp	1070 bp	*07:13, 07:15, 07:92, 07:253[w]	*08:15, 39:27, 40:73, 67:02, 73:01[w]-73:02[w]
47	215 bp	**800 bp**	*07:04, 07:19, 07:25, 07:146	*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, 08:26:01-08:39, 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, 08:108-08:128, 08:130-08:142, 08:144-08:155, 35:87, 37:09, 41:02:01-41:02:06, 41:04, 41:10-41:11, 41:13, 41:15, 41:18-41:19, 41:23-41:24, 41:27, 41:31, 41:36, 41:38-41:41, 42:01:01-42:02:01:02, 42:05:01-42:12, 42:14-42:18, 42:20-42:21, 44:106, 44:158, 44:166, 44:213
48	200 bp 280 bp	1070 bp	*07:76 *07:77, 07:193	*40:60, 40:245, **C*07:38:01-07:38:02**
49	200 bp	1070 bp	*07:82	*44:129
50[5]	75 bp 105 bp 165 bp	1070 bp	*07:74 *07:175 *07:87	*08:77, 48:27 *15:126
51	345 bp 470 bp	1070 bp	*07:97 *07:93	*08:114, 39:100 *08:39, 38:27
52[8]	290 bp	**800 bp**	*07:95	*40:233
53[8]	235 bp	**800 bp**	*07:14, 07:17, 07:28, 07:96:01-07:96:02, 07:115, 07:197, 07:225	*15:230, 15:297, 27:36, 40:42, 40:60, 40:124:01-40:124:02, 40:172, 40:280, 44:150, 48:17, 48:26, **C*03:260, C*04:77, C*07:38:01-07:38:02**
54[6]	160 bp 185 bp	1070 bp	*07:238 *07:98, 07:167N, 07:201N	
55	260 bp	1070 bp	*07:99	
56[6,8]	220 bp 235 bp	1070 bp	*07:45 *07:20, 07:24, 07:60, 07:100, 07:131, 07:220, 07:223	*08:21, 08:25, 15:07:01-15:07:03, 15:45, 15:55, 15:68, 15:126, 15:207, 15:324, 15:329, 15:331, 15:360, 35:05:01-35:05:03, 35:22, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 40:05, 40:71, 40:174, 44:54, 44:106, 44:135, 44:158, 44:184, 44:213, 46:12, 51:64, 51:148, 53:14, 55:51, 58:18, **C*03:05, C*03:25, C*03:27, C*03:167, C*03:296**
57	150 bp 215 bp	1070 bp	*07:109 *07:70	

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58[6]	245 bp 440 bp	1070 bp	*07:112 *07:79	
59[5]	100 bp	**800 bp**	*07:115, 07:182N, 07:246	*08:69, 14:05, 38:19, 39:03, 39:24:01-39:24:02, 39:37, 39:76, 40:71, 40:314, 41:18, 42:06, 42:20, 48:07, **C*08:08:01-08:08:02**
	190 bp		*07:89, 07:113	*08:64
60	145 bp	1070 bp	*07:73	*40:166, 44:90, 45:06
61	205 bp 420 bp	1070 bp	*07:88 *07:105	
62	415 bp	**800 bp**	*07:16, 07:27, 07:37-07:38, 07:50, 07:75, 07:91, 07:180, 07:207, 07:219, 07:228	*08:03, 08:23, 08:54, 08:110, 08:133, 08:139, 14:14, 14:18, 15:68, 38:01:01-38:02:07, 38:04-38:12, 38:15-38:25, 38:27-38:40, 38:42-38:58, 39:05:01-39:05:02, 39:07-39:08, 39:11, 39:13:01-39:13:02, 39:20, 39:37, 39:49, 39:55-39:56, 40:01:01-40:01:43, 40:07, 40:09?, 40:11:01?-40:11:02?, 40:14:01?-40:15?, 40:16, 40:18?-40:19?, 40:21?-40:22N?, 40:23, 40:24?-40:38?, 40:42?, 40:44?-40:49?, 40:51, 40:52?-40:58?, 40:59-40:60, 40:61?-40:65?, 40:67?-40:69?, 40:71?, 40:72:01-40:73, 40:74?-40:76?, 40:77, 40:78?, 40:79, 40:80?-40:88?, 40:90?-40:93?, 40:95?-40:96?, 40:98?-40:121?, 40:123?, 40:124:01, 40:124:02?-40:137?, 40:138-40:140, 40:141?, 40:145?, 40:146, 40:148?-40:149?, 40:150, 40:151?, 40:152-40:153, 40:154?, 40:155:01N-40:155:02N, 40:156?-40:165?, 40:167?-40:171?, 40:172, 40:173?-40:185?, 40:186, 40:187?-40:213?, 40:215?-40:228?, 40:231?-40:249?, 40:250-40:253, 40:257?, 40:258-40:265N, 40:272, 40:273?-40:276?, 40:277-40:278, 40:279?-40:283?, 40:285-40:286N, 40:287?-40:300?, 40:301, 40:306?-40:313?, 40:315?, 40:316-40:317, 41:01:01-41:26, 41:28-41:41, 42:11, 44:18, 45:01:01-45:05, 45:07-45:17, 48:01:01-48:37, 49:01:01-49:14, 49:16-49:40, 50:01:01, 50:01:02?, 50:01:03-50:01:04, 50:01:06-50:02, 50:04-50:20, 50:31-50:43
63[5]	65 bp	1070 bp	*07:94	***67:04, **C*03:124, C*04:49, C*05:15, C*07:262, C*07:417, C*12:95**
	230 bp		*07:135N	
64	210 bp	1070 bp	*07:69, 07:85, 07:180	*14:01:01-14:01:05, 14:07N-14:08:02, 14:10, 14:12, 14:14, 14:19, 14:26, 14:32, 14:40, 14:46-14:47, 18:33, 27:12, 27:16, 27:92, 27:119, 37:57, 38:01:01-38:02:07, 38:04, 38:08-38:25, 38:27-38:32, 38:34N-38:53, 38:55Q-38:58, 39:01:01:01-39:01:01:04, 39:01:03-39:01:22, 39:03, 39:05:01-39:07, 39:09:01-39:09:03, 39:11, 39:14-39:15, 39:18-39:19:02, 39:22, 39:24:01-39:38Q, 39:40:01N-39:48, 39:50-39:51, 39:53-39:57, 39:59-39:62,

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65	385 bp 450 bp	1070 bp	*07:54, 07:123 *07:111N	*45:06
66	435 bp	1070 bp	*07:36, 07:38, 07:81, 07:180, 07:219	*08:03, 08:52, 08:78, 38:01:01-38:01:10, 38:05-38:07, 38:09-38:14, 38:16, 38:19-38:22, 38:24-38:28, 38:30-38:34N, 38:36-38:42, 38:51-38:58, 40:19?, 40:109?, 40:117?, 40:292?, 44:18, 48:18, 49:01:01-49:01:08, 49:03-49:14, 49:16-49:40
67[7]	230 bp	**800 bp**	*07:29, 07:72, 07:86, 07:114	*08:01:01-08:05, 08:07-08:56:02, 08:58-08:93, 08:95-08:123, 08:125-08:127, 08:129-08:146, 08:148N-08:150, 08:152-08:156, 14:11, 14:28, 38:33, 39:04, 39:63, 40:01:01-40:01:33, 40:01:35-40:01:43, 40:07, 40:14:01?-40:15?, 40:16, 40:21?-40:22N?, 40:23, 40:25?, 40:30?-40:34?, 40:36?, 40:38?, 40:42?-40:43?, 40:45?-40:49?, 40:51, 40:52?-40:55?, 40:58?, 40:59-40:60, 40:61?-40:63?, 40:65?, 40:66, 40:67?, 40:69?, 40:72:01-40:73, 40:76?, 40:77, 40:79, 40:80?-40:81?, 40:84?, 40:87:01?-40:88?, 40:92?, 40:100?-40:102?, 40:106?, 40:108?, 40:110?, 40:112?-40:114:02?, 40:116?-40:118N?, 40:121?, 40:123?, 40:124:01, 40:124:02?-40:126?, 40:128?-40:130:02?, 40:132?, 40:134?-40:137?, 40:138-40:140, 40:141?, 40:146-40:147, 40:150, 40:151?, 40:152-40:153, 40:154?, 40:155:01N-40:155:02N, 40:156?, 40:158?, 40:160:01?-40:160:02?, 40:163?, 40:166?, 40:168?, 40:170?-40:171?, 40:172, 40:175?, 40:178?-40:179?, 40:182?-40:183?, 40:185?, 40:186, 40:187?-40:188?, 40:191?-40:194?, 40:196?-40:199?, 40:204?, 40:207?-40:208?, 40:212?-40:213?, 40:215?-40:219?, 40:221?-40:223?, 40:227?-40:228?, 40:231?, 40:233?, 40:235?-40:242?, 40:245?, 40:247?, 40:249?, 40:250-40:253, 40:257?, 40:258-40:265N, 40:272, 40:273?, 40:277-40:278, 40:279?-40:282?, 40:285-40:286N, 40:288?, 40:298?-40:300?, 40:301, 40:308?, 40:310?, 40:312?, 40:315?, 40:316, 41:01:01-41:41, 44:18, 45:01:01-45:17, 48:22, 49:01:01-49:14, 49:16-49:23, 49:25-49:30, 49:32-49:40, 50:01:01, 50:01:02?, 50:01:03-50:02, 50:04-50:20, 50:31-50:42
68	335 bp 365 bp 415 bp	1070 bp	*07:148 *07:101 *07:13, 07:15, 07:160	*40:193? *08:16, 08:123, 08:145, 42:18, 67:02
69[6,8]	130 bp 190 bp	1070 bp	*07:136:01-07:136:02 *07:106	

	245 bp 465 bp		*07:108 *07:102	*08:18, 73:01-73:02
70[5]	125 bp 205 bp	**800 bp**	*07:104 *07:114	
71[11]	245 bp 280 bp 390 bp	1070 bp	*07:108 *07:107 *07:181N	
72	165 bp	1070 bp	*07:13, 07:110	*37:52, 38:11, 48:36, 54:02, 67:02, 81:06, **C*03:137, C*03:182, C*07:102[w], C*07:351, C*12:82**
73[5]	85 bp 240 bp	1070 bp	*07:119, 07:169 *07:49N	*48:34
74	345 bp 425 bp	1070 bp	*07:120 *07:156	*40:150, 57:29
75[5]	105 bp 250 bp	1070 bp	*07:126, 07:175 *07:121	*15:126
76[8]	130 bp 170 bp 285 bp	1070 bp	*07:136:01-07:136:02 *07:128 *07:122	
77	335 bp 405 bp	**800 bp**	*07:148 *07:116	*40:193[?]
78[5]	110 bp 160 bp 380 bp	1070 bp	*07:125 *07:231N *07:129	
79[5]	65 bp 95 bp	1070 bp	*07:130 *07:119	
80	405 bp	1070 bp	*07:161N	
81	140 bp	1070 bp	*07:147, 07:151:01-07:151:02, 07:202	*15:116, 15:124, 18:88, 40:31, 40:33, 40:52, 40:59, 46:06, 46:43, 48:23, 57:59, 58:05, **C*07:123, C*07:173, C*07:294**
82	280 bp	1070 bp	*07:77, 07:163, 07:193, 07:248	*40:60, 40:245, **C*07:38:01-07:38:02**
83	175 bp	1070 bp	*07:174, 07:202, 07:222	*27:24, 40:31, 40:45, 40:80, 48:01:01-48:01:06, 48:04:01-48:04:02, 48:06-48:07, 48:09, 48:11, 48:15-48:16, 48:18-48:20, 48:22, 48:24, 48:27-48:37, 81:01-81:08
84[7]	365 bp	1070 bp	*07:12, 07:18:01, 07:137, 07:162, 07:235	*35:76, 42:13, 56:09, 56:11
85[5]	110 bp 160 bp	**800 bp**	*07:208 *07:238	
86	195 bp	1070 bp	*07:219	*57:10, **A*02:05:01-02:06:04, A*02:06:06-02:06:21, A*02:08, A*02:10, A*02:14, A*02:21, A*02:28, A*02:41, A*02:44, A*02:51, A*02:54, A*02:57, A*02:61, A*02:72, A*02:79:01-02:79:02, A*02:84, A*02:91, A*02:99, A*02:106, A*02:108, A*02:122, A*02:126-02:127, A*02:137, A*02:142, A*02:144, A*02:154, A*02:170, A*02:172, A*02:178-02:180, A*02:229, A*02:232, A*02:244, A*02:248, A*02:259, A*02:271, A*02:278, A*02:286, A*02:290, A*02:295, A*02:300, A*02:310, A*02:324, A*02:328, A*02:330-02:331, A*02:333, A*02:337, A*02:344, A*02:355, A*02:359,**

Lot No.: 3D9 **Lot-specific information**

				A*02:373N, A*02:376, A*02:382, A*02:387, A*02:398, A*02:404-02:405, A*02:409, A*02:413, A*02:415, A*02:420-02:421, A*02:428, A*02:433, A*02:438, A*02:453-02:454, A*02:465, A*02:470, A*02:472-02:476N, A*02:484, A*02:489, A*02:493, A*02:495-02:496, A*02:506N-02:507, A*02:527, A*02:532, A*02:546, A*02:550, A*02:558, A*02:572, A*02:577, A*02:591-02:593, A*11:70:01-11:70:02, A*11:121, A*26:07:01-26:07:02, A*26:92
87	210 bp	1070 bp	*07:251N	
88[12]	-	-	**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*07 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*07 alleles will be amplified by primer mixes 1 to 20, 22 to 27, 29 to 33, 35, 37 to 40, 43 to 53, 56, 59, 60, 62 to 69, 72 to 75, 77, 81 to 84 and 86. In addition, a few HLA-A and HLA-C alleles will be amplified by primer mixes 3 to 5, 7, 9, 10, 12 to 14, 18, 20, 23, 26, 27, 29 to 32, 48, 53, 56, 59, 63, 72, 81, 82 and 86.
[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 21, 24, 29, 33, 54, 56, 58 and 69 have a tendency to giving rise to primer oligomer formation.
[7]Primer mixes 9, 11, 39, 67 and 84 may give rise to a lower yield of HLA-specific PCR product than the other B*07 primer mixes.
[8]Primer mixes 14, 28, 29, 35, 38, 40, 44, 52, 53, 56, 69 and 76 may have tendencies of unspecific amplifications, most pronounced in primer mix 29.
[9]Primer mix 25 may give rise to unspecific amplification in B*73 alleles.
[10]Primer mix 32 may give rise to a faint band in many B*14, B*37, C*04, C*05, C*08 and C*18 alleles.

Lot No.: 3D9 **Lot-specific information**

[11]Primer mix 71 may give rise to an unspecific amplification product of approx. 900 bp in some HLA-B alleles. This band should be disregarded in the interpretatation of HLA-B*07 typings.

[12]Primer mix 88 contains a negative control, which will amplify more than 95% of HLA amplicons as well as the amplicons generated by the control primer pairs matching the human growth hormone gene. HLA-specific PCR product sizes range from 75 to 200 base pairs and the PCR product generated by the HGH positive control primer pair is 430 base pairs.

'w', might be weakly amplified.

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

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101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9

Lot-specific information

PRIMER SPECIFICATION

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	395	285	235	105	220	215	100	160	355	285	130	225
PCR product							215	235		420	210	
Length of int.	800	1070	1070	800	1070	1070	1070	1070	1070	800	1070	1070
pos. control[1]												
5'-primer(s)[2]	44	363	412	540	103	103	97	412	693	44	103	419
	5'-ggC 3'	5'-AgC 3'	5'-ATg 3'	5'-Cgg 3'	5'-CCT 3'	5'-CCT 3'	5'-TCg 3'	5'-ATA 3'	5'-ggT 3'	5'-ggC 3'	5'-CCT 3'	5'-gTC 3'
			412		103	103	540	636		363	103	
			5'-ATg 3'		5'-CCT 3'	5'-CCT 3'	5'-gAC 3'	5'-CAC 3'		5'-Agg 3'	5'-CCT 3'	
							545			363		
							5'-AgT 3'			5'-Agg 3'		
3'-primer(s)[3]	272	605	605	605	282	277	272	605	916	287	191	605
	5'-TgT 3'	5'-gCT 3'	5'-gCT 3'	5'-gCT 3'	5'-gCC 3'	5'-ggT 3'	5'-TgT 3'	5'-gCT 3'	5'-gAT 3'	5'-TCC 3'	5'-CgA 3'	5'-gCT 3'
							605	754		302	268	
							5'-gCT 3'	5'-AgA 3'		5'-ggC 3'	5'-gAg 3'	
										605	272	
										5'-gCT 3'	5'-TgC 3'	
											272	
											5'-TgA 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.	85	215	385	205	345	265	205	160	100	385	85	125
PCR product	290		420	230	425		250	205	165			
							295	275				
Length of int.	1070	800	1070	1070	1070	1070	800	1070	1070	1070	1070	800
pos. control[1]												
5'-primer(s)[2]	355	363	44	103	44	379	363	25	481	322	560	103
	5'-TCA 3'	5'-AgC 3'	5'-ggC 3'	5'-CCT 3'	5'-ggC 3'	5'-ACC 3'	5'-AgC 3'	5'-CCg 3'	5'-CgA 3'	5'-gCC 3'	5'-CCT 3'	5'-CCT 3'
	560	363		103			409	363	545			103
	5'-CAC 3'	5'-AgC 3'		5'-CCT 3'			5'-ggC 3'	5'-AgC 3'	5'-AgT 3'			5'-CCT 3'
								636				527
								5'-CAC 3'				5'-TgT 3'
3'-primer(s)[3]	605	539	259	268	218	605	572	131	605	419	605	191
	5'-gCT 3'	5'-TCA 3'	5'-CTC 3'	5'-gAg 3'	5'-gCA 3'	5'-gCT 3'	5'-gCg 3'	5'-ggA 3'	5'-gCT 3'	5'-CgT 3'	5'-gCT 3'	5'-CgA 3'
			287	292	301		616	527				605
			5'-TCC 3'	5'-gTA 3'	5'-gTC 3'		5'-AgA 3'	5'-CCg 3'				5'-gCT 3'
			302	292	302			754				
			5'-ggT 3'	5'-gTA 3'	5'-ggT 3'			5'-AgA 3'				
				292								
				5'-gTA 3'								
Well No.	13	14	15	16	17	18	19	20	21	22	23	24

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

Well No.	25	26	27	28	29	30	31	32	33	34	35	36
Length of spec.	305	95	165	110	85	190	215	190	90	155	105	180
PCR product	425	205	215		200		280		350		215	250
		235										
		290										
Length of int.	1070	800	800	1070	800	800	800	1070	1070	1070	1070	1070
pos. control[1]												
5'-primer(s)[2]	44	363	97	215	560	412	363	412	261	483	97	363
	5'-ggC 3'	5'-AgC 3'	5'-TCg 3'	5'-gCC 3'	5'-CAC 3'	5'-ATA 3'	5'-AgC 3'	5'-ATA 3'	5'-AAC 3'	5'-gAA 3'	5'-TCC 3'	5'-AgC 3'
			148		852				756	503	207	
			5'-TgC 3'		5'-CAg 3'				5'-ACT 3'	5'-CCg 3'	5'-gAC 3'	
3'-primer(s)[3]	181	418	272	282	605	559	538	559	311	605	272	502
	5'-gTT 3'	5'-gTC 3'	5'-TgT 3'	5'-gCC 3'	5'-gCT 3'	5'-CTC 3'	5'-CCA 3'	5'-CgT 3'	5'-Cgg 3'	5'-gCT 3'	5'-TgT 3'	5'-CTA 3'
	301	527			916		603		970			570
	5'-gTC 3'	5'-CCg 3'			5'-gAC 3'		5'-gTC 3'		5'-TCT 3'			5'-CCg 3'
		559										
		5'-CAg 3'										
		613										
		5'-gCT 3'										
Well No.	25	26	27	28	29	30	31	32	33	34	35	36

Well No.	37	38	39	40	41	42	43	44	45	46	47	48
Length of spec.	210	190	425	265	400	195	185	150	105	425	215	200
PCR product		215		395	425	225						280
Length of int.	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070
pos. control[1]												
5'-primer(s)[2]	141	363	272	44	625	89	463	165	206	44	363	113
	5'-ATT 3'	5'-AgC 3'	5'-CTA 3'	5'-ggC 3'	5'-CCg 3'	5'-gAC 3'	5'-TgA 3'	5'-ACC 3'	5'-AgA 3'	5'-ggC 3'	5'-AgC 3'	5'-CCA 3'
					650	118						368
					5'-CCT 3'	5'-C.g 3'						5'-gTC 3'
3'-primer(s)[3]	311	506	412	142	916	272	605	272	272	299	538	272
	5'-ggT 3'	5'-Tgg 3'	5'-gTT 3'	5'-TgC 3'	5'-gAC 3'	5'-TgT 3'	5'-gCT 3'	5'-TgC 3'	5'-Tgg 3'	5'-TCA 3'	5'-gTC 3'	5'-TgT 3'
		516		272								605
		5'-gCg 3'		5'-TgA 3'								5'-gCT 3'
		539										
		5'-TCT 3'										
Well No.	37	38	39	40	41	42	43	44	45	46	47	48

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

Well No.	49	50	51	52	53	54	55	56	57	58	59	60
Length of spec.	200	75	345	290	235	160	260	220	150	245	100	145
PCR product		105	470			185		235	215	440	190	
		165										
Length of int.	1070	1070	1070	800	800	1070	1070	1070	1070	1070	800	1070
pos. control[1]												
5'-primer(s)[2]	341	363	44	355	409	363	386	363	98	44	363	167
	5' -ggg 3'	5' -AgC 3'	5' -ggC 3'	5' -CCT 3'	5' -ggT 3'	5' -AgC 3'	5' -gCA 3'	5' -AgC 3'	5' -CTg 3'	5' -ggC 3'	5' -AgC 3'	5' -gCT 3'
									161			
									5' -Cgg 3'			
3'-primer(s)[3]	2nd I	398	221	605	605	484	605	544	272	121	419	272
	5' -TCg 3'	5' -ggC 3'	5' -ACC 3'	5' -gCT 3'	5' -gCT 3'	5' -CgA 3'	5' -gCT 3'	5' -ggT 3'	5' -TgT 3'	5' -gCC 3'	5' -CgA 3'	5' -TgT 3'
		425	343			502		559		317	420	
		5' -CgC 3'	5' -T 3'			5' -CTA 3'		5' -CAg 3'		5' -ggC 3'	5' -gCT 3'	
		488				513					506	
		5' -CCA 3'				5' -TCA 3'					5' -Tgg 3'	
											514	
											5' -CTT 3'	
Well No.	49	50	51	52	53	54	55	56	57	58	59	60

Well No.	61	62	63	64	65	66	67	68	69	70	71	72
Length of spec.	205	415	65	210	385	435	230	335	130	125	245	165
PCR product	420		230		450			365	190	205	280	
								415	245		390	
									465			
Length of int.	1070	800	1070	1070	1070	1070	800	1070	1070	800	1070	1070
pos. control[1]												
5'-primer(s)[2]	44	44	256	103	44	44	44	44	44	106	44	103
	5' -ggC 3'	5' -ggC 3'	5' -ACT 3'	5' -CCT 3'	5' -ggC 3'	5' -ggC 3'	5' -ggC 3'	5' -ggC 3'	5' -ggC 3'	5' -CCA 3'	5' -ggC 3'	5' -CCT 3'
			363	103					363	188	363	103
			5' -AgC 3'	5' -CCT 3'					5' -AgC 3'	5' -Cgg 3'	5' -AgC 3'	5' -CCT 3'
3'-primer(s)[3]	82	292	282	272	259	309	106	212	119	272	119	226
	5' -ggC 3'	5' -gTA 3'	5' -gCC 3'	5' -TgC 3'	5' -CTC 3'	5' -ATC 3'	5' -CAT 3'	5' -gCA 3'	5' -ggT 3'	5' -TgT 3'	5' -ggT 3'	5' -CAC 3'
	293	292	553		327			241	341		265	
	5' -ggA 3'	5' -gTA 3'	5' -CTA 3'		5' -TTT 3'			5' -CgA 3'	5' -CgT 3'		5' -CTA 3'	
		292						289	453		603	
		5' -gTA 3'						5' -AgC 3'	5' -TCT 3'		5' -TTC 3'	
									453			
									5' -TCC 3'			
									511			
									5' -CCg 3'			
Well No.	61	62	63	64	65	66	67	68	69	70	71	72

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

Well No.	73	74	75	76	77	78	79	80	81	82	83	84
Length of spec.	85	345	105	130	335	110	65	405	140	280	175	365
PCR product	240	425	250	170	405	160	95					
				285		380						
Length of int.	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070
pos. control[1]												
5'-primer(s)[2]	244	625	363	363	44	206	244	693	412	368	363	272
	5'-CgC 3'	5'-CCg 3'	5'-AgC 3'	5'-AgC 3'	5'-ggC 3'	5'-AgA 3'	5'-CgC 3'	5'-ggT 3'	5'-ATg 3'	5'-gTC 3'	5'-AgC 3'	5'-CTA 3'
	693	704		880		671	693					
	5'-ggT 3'	5'-TgT 3'		5'-CCT 3'		5'-CAg 3'	5'-ggT 3'					
3'-primer(s)[3]	299	916	425	453	212	277	299	962	512	605	499	353
	5'-TCT 3'	5'-gAC 3'	5'-CgC 3'	5'-TCT 3'	5'-gCA 3'	5'-ggT 3'	5'-TCT 3'	5'-CAA 3'	5'-CCA 3'	5'-gCT 3'	5'-ggA 3'	5'-TgA 3'
	728		427	453	278	324	719					
	5'-CCT 3'		5'-gTT 3'	5'-TCC 3'	5'-ggA 3'	5'-TAC 3'	5'-AgA 3'					
	893		571	607		916						
	5'-CCT 3'		5'-CCg 3'	5'-CAC 3'		5'-gAC 3'						
				916								
				5'-gAC 3'								
Well No.	73	74	75	76	77	78	79	80	81	82	83	84

Well No.	85	86	87
Length of spec.	110	195	210
PCR product	160		
Length of int.	800	1070	1070
pos. control[1]			
5'-primer(s)[2]	363	103	363
	5'-AgC 3'	5'-CCT 3'	5'-AgC 3'
3'-primer(s)[3]	430	256	533
	5'-gCT 3'	5'-CCC 3'	5'-.CT 3'
	484		
	5'-CgA 3'		
Well No.	85	86	87

[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.

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				Prod. No.:	201436401	201436402	201561603	201436404	201436405	201436406	201436407	201436408	201436409	201436410	201436411	201436412	201436413	201436414	201436415	201436416
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well															
					17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
				Prod. No.:	201436417	201436418	201436419	201436420	201436421	201436422	201436423	201561624	201436425	201436426	201436427	201436428	201436429	201436430	201436431	201436432
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well															
					33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
				Prod. No.:	201436433	201436434	201561635	201436436	201436437	201436438	201436439	201436440	201436441	201436442	201561643	201436444	201436445	201436446	201436447	201436448
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well															
					49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
				Prod. No.:	201436449	201436450	201436451	201436452	201561653	201561654	201436455	201436456	201436457	201561658	201436459	201436460	201436461	201436462	201436463	201436464
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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

Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well															
					65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
				Prod. No.:	201436465	201436466	201436467	201436468	201561669	201436470	201436471	201436472	201436473	201436474	201436475	201561676	201436477	201561678	201436479	201436480
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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

Lot No.: 3D9 **Lot-specific information**

CELL LINE VALIDATION SHEET

HLA-B*07 SSP subtyping kit[2]

					Well						
					81	82	83	84	85	86	87
				Prod. No.:	201561681	201561682	201436483	201561684	201561685	201561686	201561687
	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	-	-	-	-	-	-	-

101.512-24/03 – including *Taq* pol., IFU-01
101.512-24u/03u – without *Taq* pol., IFU-02

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Lot No.: 3D9 **Lot-specific information**

[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 DNAs and where applicable, additional cell line DNAs.

No DNAs carrying the alleles to be amplified by primer solutions 7, 12, 13, 15, 17, 18, 20 to 23, 25, 27 to 29, 34, 36, 38, 40 to 43, 48 to 55, 57 to 61, 63, 65, 68, 70 to 82 and 84 to 87 were available.

The specificities of the primers in primer solutions 7, 12, 13, 15, 17, 18, 20, 21, 23, 25, 27, 29, 36, 38, 40, 43, 48, 50 to 53, 57, 59, 60, 63, 68, 70, 72, 73, 75 to 79, 81 to 82, 84 and 86 were tested by separately adding additional 5'-primers, respectively additional 3'-primers. In primer solutions 54, 58, 61, 65, 71, 80, 85 and 87 it was only possible to test the 5'-primer, the 3'-primer were not possible to test. In primer solutions 22, 28, 34, 41, 42, 49, 55 and 74 it was only possible to test the 3'-primers, the 5'-primers were not possible to test. In primer solutions 2, 3, 21, 27, 29, 35, 48, 57, 63, 70, 73, 76, 78 and 79 one or two 5'-primers were not possible to test, and in primer solutions 8, 10, 11, 15 to 17, 19, 20, 24 to 26, 33, 36, 38, 40, 50, 51, 56, 59, 63, 68, 69, 73 and 75 to 79 one or two 3'-primers were not possible to test. Additional primers in primer solutions 8, 10, 11, 19, 24, 26, 31, 33 and 69 were tested by separately adding one additional 5'-primer, or one additional 3'-primer.

Lot No.: 3D9 **Lot-specific information**

Lot No.: 3D9 **Lot-specific information**

Lot No.: 3D9 **Lot-specific information**

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