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Lot No.:1S2 Lot-specific information

Olerup SSP® HLA-B*42

Product number: 101.543-06 – including *Taq* pol.

101.543-06u – without *Taq* pol.

Lot number: 1S2

Expiry date: 2027-05-01

Number of tests: 6

Number of wells per test: 15+1

Storage - pre-aliquoted primers: dark, between -15°C and -25°C

PCR Master Mix: between -15°C and -25°C

- Adhesive PCR seals RT

This Product Description is only valid for Lot No. 1S2.

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*42 Lot (3L3).

- The product documentation has been updated for new alleles of IMGT 3.51.0.
- The kit resolution focuses on common and well documented (CWD) alleles¹.

The HLA-B*42 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup* SSP® HLA-B*42 lot was made (Lot No. 3L3).

The HLA-B*42 primer set is unchanged compared to the previous *Olerup* SSP® HLA-B*42 (Lot No. 3L3).

¹S. J. Mack, P. Cano, J. A. Hollenbach et al. Common and well-documented HLA alleles: 2012 update to the CWD catalogue. Tissue Antigens, 2013, 81, 194–203



¹As described in section Uniquely Identified Alleles.

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Well **16** contains <u>Negative Control primer pairs</u>, that will amplify the majority 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 200 base pairs.

Length of PCR	105	200	105	80	75	80	85
product							
5'-primer ¹	164	340	440	45	45	43	36
	5'-CAC3'	^{5'} -Agg ^{3'}	⁵ '-TTA3'	⁵ '-Tgg ³ '	⁵ '-Tgg ³ '	⁵ '-Tgg ³ '	5'-TAC3'
							36
							^{5'} -TAT ^{3'}
3'-primer ²	231	2 nd I	507	59	58	57	47
•	⁵ '-TgC ³ '	^{5'} -AAA ^{3'}	^{5'} -TTg ^{3'}	5'-CTC3'	^{5'} -ggC ^{3'}	5'-CTC ^{3'}	5'-ACA3'
							48
							^{5'} -gCA ^{3'}
							48
							^{5'} -gCC ^{3'}
							52
							^{5'} -TgT ^{3'}
A *	+	+	+				
B*	+	+	+				
C*	+	+	+				
DRB1				+	+		
DRB3				+	+		
DRB5				+			
DQB1					+		
DPB1						+	
DQA1							+

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

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



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Lot-specific information

PRODUCT DESCRIPTION

HLA-B*42 SSP typing

CONTENT

Lot No.:1S2

The primer set contains 5'- and 3'-primers for identifying the B*42:01 to B*42:33 alleles.

PLATE LAYOUT

Each HLA-B*42 test consists of 16 PCR reactions in a 16 well cut PCR plate.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	NC

The 16 well PCR plate is marked with 'HLA-B*42' in silver/gray ink.

Well No. 1 is marked with the Lot No. '1S2'.

Wells 1 to 15 – HLA-B*42 high resolution primers.

Well 16 – 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 16 well PCR plate, make sure that the remaining plates stay sealed. 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*42 alleles will be amplified by some primer mixes. For further details see Specificity Table.

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*42, i.e. **B*42:01 to B*42:33**, recognized by the HLA Nomenclature Committee in January 2023^{1,2} will be amplified by the primers in the HLA-B*42 SSP kit³.

The HLA-B*42 kit enables separation of the confirmed HLA-B*42 alleles as listed in the IMGT/HLA database 3.34.0. 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*42 alleles is listed below.

The HLA-B*42 kit also enables identification of many null and alternatively expressed alleles.





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Lot No.:1S2 Lot-specific information

The following HLA-B*42 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*42:14, 42:25	15

¹HLA-B alleles listed on the IMGT/HLA web page 2023-January-12, release 3.51.0, www.ebi.ac.uk/imgt/hla.

Alleles

B*42:05:01-42:05:02, 07:349 B*42:07, 42:26, 08:94, 08:226 B*42:19, 07:388

ALLELE CONFIRMATION STATUS

Allele	Status ¹	Allele	Status ¹	Allele	Status ¹
B*42:01:01	Confirmed	B*42:08	Unconfirmed	B*42:18	Confirmed
B*42:01:02	Unconfirmed	B*42:09	Confirmed	B*42:19	Unconfirmed
B*42:01:03	Unconfirmed	B*42:10	Confirmed	B*42:20	Unconfirmed
B*42:02:01:01	Confirmed	B*42:11	Unconfirmed	B*42:21	Unconfirmed
B*42:02:01:02	Confirmed	B*42:12	Unconfirmed	B*42:22	Unconfirmed
B*42:04	Unconfirmed	B*42:13	Unconfirmed	B*42:23	Unconfirmed
B*42:05:01	Confirmed	B*42:14	Unconfirmed	B*42:24	Unconfirmed
B*42:05:02	Unconfirmed	B*42:15	Unconfirmed	B*42:25	Confirmed
B*42:06	Unconfirmed	B*42:16	Unconfirmed		
B*42:07	Unconfirmed	B*42:17	Unconfirmed		

¹Allele status "confirmed" or "unconfirmed" as listed on the IMGT/HLA web page 2018-October-18, release 3.34.0, www.ebi.ac.uk/imgt/hla.

RESOLUTION IN HOMO- AND HETEROZYGOTES

Results file with resolution in HLA-B*42 homo- and heterozygotes is available upon request.



For *In Vitro* Diagnostic Use MA123 v02 SSP PI Template Date: June 2023, Rev. No: 00

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

³The following alleles give rise to identical amplification patterns with the HLA-B*42 high resolution kit. These alleles can be distinguished by the HLA-B low resolution and/or the respective kits.



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Lot No.:1S2

Lot-specific information

SPECIFICITY TABLE

HLA-B*42 SSP subtyping

Specificities and sizes of the PCR products of the 15+1 primer mixes used for HLA-B*42 SSP subtyping

Primer Mix	Size of spec. PCR product ¹	Size of control band ²	Amplified HLA-B*42 alleles ³	Other amplified HLA Class I alleles
15	215 bp	800 bp	*42:01:01- 42:01:06, 42:04- 42:06, 42:08, 42:10, 42:12- 42:16:02, 42:19- 42:25, 42:28- 42:33	*07:02:01:01-07:02:05, 07:02:07-07:02:27, 07:02:29-07:02:97, 07:04:01-07:07:03, 07:09:01-07:09:02, 07:11-07:12, 07:14:01-07:15, 07:17-07:26, 07:28, 07:30-07:31:02, 07:33:01-07:36, 07:39-07:49N, 07:51-07:68:03, 07:70, 07:72-07:82, 07:84, 07:86-07:115, 07:117-07:124, 07:126-07:142, 07:144-07:179, 07:181N-07:182N, 07:184-07:185, 07:187-07:206, 07:208-07:218, 07:220-07:227, 07:229:01-07:258, 07:260-07:291, 07:293-07:305, 07:307-07:312, 07:314-07:367, 07:369-07:382, 07:384-07:399, 07:401-07:427, 07:429-07:452, 07:454-07:474, 14:21, 15:76, 15:101, 15:255, 15:509, 35:76, 35:561, 38:26, 44:90, 44:356, 54:01:01:01-54:01:11, 54:03-54:06, 54:08N-54:23, 54:25-54:29, 54:31-54:46, 55:01:01:01-55:05, 55:07-55:15, 55:17, 55:19-55:24, 55:26-55:33, 55:35-55:46, 55:48-55:63, 55:65-55:77, 55:79-55:117N, 55:119-55:120, 55:122-55:134, 56:01:01:01-56:07, 56:09-56:13, 56:15-56:16, 56:18-56:22, 56:24-56:32, 56:34, 56:36-56:41, 56:43, 56:45-56:52, 56:55:01:02-56:66, 56:68-56:88, 56:90, 67:01:01-67:01:03, 67:03-67:07, 81:01:01-82:04, 83:01, C*01:240, C*03:542, C*14:62
2	215 bp	1070 bp	*42:01:01:01- 42:02:02, 42:05:01-42:12, 42:14-42:18, 42:20-42:33	*07:04:01-07:04:02, 07:19, 07:25, 07:146, 07:349, 08:01:01:01-08:05, 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, 08:50-08:54:02, 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, 08:157-08:170, 08:172-08:180, 08:182-08:183, 08:185-08:204, 08:206-08:231, 08:233-08:253, 08:256-08:280, 08:282-08:290, 08:292-08:306, 35:87, 37:09, 41:02:01:01-41:02:11, 41:04, 41:10-41:11, 41:13, 41:15, 41:18-41:19, 41:23-41:24, 41:27, 41:31, 41:36, 41:38-41:43, 41:45N-41:47, 41:49,



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41:69, 41:71-41:72, 41:74, 44:106, 44:18 44:166, 44:213 35 215 bp 1070 bp 42:02:02, 42:09, 42:174-21:8, 42:27 4 220 bp 1070 bp 42:04							
				41:51-41:52, 41:55, 41:58, 41:65, 41:68- 41:69, 41:71-41:72, 41:74, 44:106, 44:158, 44:166, 44:213			
3 ⁵	215 bp	1070 bp	42:02:02, 42:09, 42:17-42:18,				
4	220 bp	1070 bp	*42:04	15:83:01:01-15:83:01:02, 41:01:01:01-41:01:08, 41:05-41:07, 41:09, 41:12, 41:14, 41:16-41:17, 41:20-41:22, 41:25-41:26, 41:28-41:30, 41:32-41:35, 41:37, 41:44, 41:50, 41:53-41:54, 41:56Q-41:57, 41:59-41:61, 41:64, 41:66-41:67, 41:70, 41:73, 41:75-41:79, 44:15:01:01-44:15:01:02, 44:18:01:01-44:18:01:02, 44:20, 44:100, 44:355, 45:01:01:01-45:25, 45:27-45:30, 51:08:01:01-51:08:06, 51:20, 51:36, 51:44N, 51:97, 51:141, 51:153:01-51:153:02, 51:263, 51:274-51:275, 51:342, 51:354, 51:362, 51:371, 52:19, 55:20,			
5 ⁴	105 bp	800 bp		*07:04:01-07:04:02, 07:25, 07:146, 07:349, 08:187, 40:136, 40:231, 40:279, 41:08			
			*42:01:01:01- 42:02:02, 42:04- 42:08, 42:10- 42:15, 42:17- 42:18, 42:21- 42:33	*07:349, 08:01:01:01-08:01:22, 08:01:24-08:01:62, 08:01:64-08:05, 08:08N-08:12:03, 08:15-08:19N, 08:21-08:24, 08:26:01-08:27, 08:29-08:36, 08:38:01-08:39, 08:41-08:48, 08:50-08:54:02, 08:56:01-08:69, 08:71-08:73, 08:75-08:76, 08:78, 08:80-08:86N, 08:88, 08:90-08:106, 08:109-08:110, 08:112-08:142, 08:144-08:155, 08:157-08:163, 08:165-08:170, 08:172-08:199, 08:201-08:204, 08:206-08:226, 08:228-08:244, 08:246-08:250, 08:252N-08:254, 08:256-08:263, 08:265-08:280, 08:282-08:289, 08:292-08:306, 13:154, 15:83:01:01-15:83:01:02, 35:87, 37:12, 37:84, 38:30, 39:156, 40:136, 40:231, 40:279, 41:01:01:01-41:03:02, 41:05-41:09, 41:11-41:17, 41:19-41:20, 41:22-41:48, 41:50, 41:53-41:61, 41:64-41:79, 44:14, 44:62, 44:166, 44:213, 45:14, 51:08:01:01-51:08:03, 51:08:05-51:08:06, 51:20, 51:36, 51:44N, 51:97, 51:141, 51:153:01-51:153:02, 51:263, 51:275, 51:342, 51:354, 51:362, 51:371, 52:19, 55:20, 55:56, 56:13, 57:09, 82:01:01:01-82:04			
7	165 bp	1070 bp	42:16:01-	*07:04:01-07:04:02, 07:19, 07:25, 07:146, 08:07, 08:37, 08:49, 08:69, 08:89, 08:107, 08:200, 08:291, 13:46, 13:154, 15:51, 15:179:01-15:179:02, 15:199, 15:218Q, 15:518, 18:56, 18:113, 35:38, 35:115, 35:169, 35:260, 35:545, 37:01:01:01-37:01:29, 37:03N-37:06:02, 37:08-37:11, 37:13-37:24, 37:26-37:38, 37:41-37:65,			



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	ot No.:152		tion								
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9	170 bp	1070 bp	*42:01:01:01- 42:02:02, 42:04- 42:06, 42:08- 42:10, 42:12- 42:20, 42:22- 42:25, 42:28- 42:33	*07:02:01:01-07:02:05, 07:02:07-07:02:27, 07:02:29-07:02:97, 07:04:01-07:03, 07:09:01-07:09:02, 07:11-07:12, 07:14:01-07:15, 07:17-07:26, 07:28-07:31:02, 07:33:01-07:36, 07:39-07:49N, 07:51-07:55, 07:57-07:64, 07:66-07:68:03, 07:70-07:71, 07:73-07:82, 07:84, 07:86-07:124, 07:126-07:176, 07:178-07:179, 07:181N-07:182N, 07:184-07:205, 07:208-07:218, 07:220-07:227, 07:229:01-07:258, 07:260-07:262:02, 07:264-07:291, 07:293-07:305, 07:307-07:367, 07:369-07:399, 07:401-07:427, 07:429-07:452, 07:454-07:474, 08:123, 08:132, 14:21, 15:255, 15:509, 38:26, 54:21, 55:10, 56:16, 67:01:01-67:01:03, 67:03-67:07, 81:01:01:01-81:04N, 81:06-81:10, 82:01:01:01-82:04, 83:01, C*01:240, C*07:335							
10	280 bp	800 bp	*42:08	*07:19, 07:33:01-07:33:03, 07:53, 07:60, 07:100, 07:442, 08:103, 08:134, 08:175, 08:274, 13:71, 13:108, 14:05, 14:13, 14:53, 15:07:01:01-15:07:03, 15:45, 15:55, 15:68, 15:126, 15:197:02, 15:207, 15:324, 15:329, 15:331, 15:360, 15:383, 15:405, 15:421, 15:431, 15:450, 15:524, 18:14, 27:07:01-27:07:06, 27:11, 27:24, 27:32-27:34, 27:43, 27:138, 27:180, 27:219, 27:233, 27:251, 35:05:01:01-35:05:06, 35:22:01:01-35:22:01:02, 35:31, 35:51:01-35:51:02, 35:58, 35:72, 35:89, 35:97, 35:114, 35:199, 35:232, 35:368, 35:389, 35:416, 35:427N, 35:440, 35:459N, 35:472, 35:481, 35:572, 37:09, 38:19, 39:03:01:01-39:03:02, 39:14:01:01-39:14:01:03, 39:24:01-39:24:03, 39:29, 39:37:01:01-39:37:01:02, 39:76, 39:120, 39:144, 39:152, 39:184-39:185, 40:02:01:01-40:03:02, 40:05:01:01-40:05:02, 40:08:01:01-40:09, 40:13, 40:18-40:19, 40:24, 40:27:01-40:27:02, 40:29, 40:35:01-40:35:03, 40:37, 40:39-40:40, 40:50:01:01-40:50:01:02, 40:56-40:58, 40:71, 40:78, 40:82, 40:85, 40:89-40:91, 40:94, 40:97, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:157, 40:164, 40:169, 40:173-40:174, 40:176, 40:180-40:181, 40:189, 40:200-40:203, 40:205-40:206, 40:209, 40:211, 40:214, 40:219-40:220, 40:224, 40:226, 40:229, 40:232, 40:246,							



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13 ⁴	65 bp	1070 bp	*42:12	
14	195 bp	1070 bp	*42:15, 42:18	*07:11, 07:57, 07:75:01:01-07:75:01:02, 07:160, 07:240, 07:253, 07:340, 07:463, 08:16-08:17, 08:47, 08:123, 08:145, 08:295, 15:530, 18:49, 18:79, 18:108, 18:132, 18:142, 37:05, 39:20, 39:124, 39:168, C*01:59, C*01:118, C*01:157, C*06:82, C*06:210, C*07:49, C*07:124, C*07:155, C*07:210, C*07:238, C*07:247, C*07:403
	290 bp		*42:13	*08:49, 08:60, 08:76, 08:129, 08:181, 35:530, 41:48, 44:342, 53:15
15	165 bp 230 bp	1070 bp	*42:25 *42:14	*08:298, 13:61 *08:116, 41:06, 41:15, 51:373, 52:92
16 ⁶	-	-	Negative Control	

¹Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B*42 SSP typings.

When the primers in a primer mix can give rise to HLA-specific PCR products of more than one length this is indicated if the size difference is more than 20 base pairs. Size differences of 20 base pairs or less are not given. For high resolution SSP kits, the alleles listed are specified according to amplicon length.

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

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

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

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

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

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

⁴HLA-specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

⁵Primer mixes 1, 3 and 12 may give rise to a lower yield of HLA-specific PCR product than the other B*42 primer mixes.

⁶Primer mix 16 contains a negative control, which will amplify the majority 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 200 base pairs.

Abbreviations

w: might be weakly amplified.



For *In Vitro* Diagnostic Use MA123 v02 SSP PI Template Date: June 2023, Rev. No: 00

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PRIMER SPECIFICATION

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	215	215	215	220	105	165	165	215	170	280	115	105
PCR product											180	
Length of int.	800	1070	1070	1070	800	1070	1070	1070	1070	800	1070	1070
pos. control ¹												
5'-primer(s) ²	97	363	97	357	540	412	412	103	142	363	463	206
	5' -TCT 3'	^{5'} -AgC ^{3'}	^{5'} -TCC ^{3'}	^{5'} -Tgg ^{3'}	^{5'} -gAC ^{3'}	^{5'} -ATA ^{3'}	^{5'} -ATg ^{3'}	5' -CCT 3'	^{5'} -TCT ^{3'}	^{5'} -AgC ^{3'}	^{5'} -TgA ^{3'}	^{5'} -AgA ^{3'}
							419	103			527	
							^{5'} -gTT ^{3'}	5' -CCT 3'			^{5'} -TgA ^{3'}	
							419					
							^{5'} -gTT ^{3'}					
3'-primer(s) ³	272	538	272	538	605	538	538	277	272	603	603	272
. (,	^{5'} -TgT ^{3'}	^{5'} -gTC ^{3'}	^{5'} -TgT ^{3'}	^{5'} -gTC ^{3'}	^{5'} -gCT ^{3'}	^{5'} -gTC ^{3'}	^{5'} -gTC ^{3'}	^{5'} -ggT ^{3'}	^{5'} -TgT ^{3'}	^{5'} -gTC ^{3'}	^{5'} -gTg ^{3'}	^{5'} -Tgg ^{3'}
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Well No.	13	14	15
Length of spec.	65	195	165
PCR product		290	230
Length of int.	1070	1070	1070
pos. control ¹			
5'-primer(s) ²	540	142	412
	^{5'} -gAC ^{3'}	^{5'} -TCT ^{3'}	^{5'} -ATA ^{3'}
		355	649
		5' -TCA 3'	5' -ACT 3'
3'-primer(s) ³	566	289	603
	5' -CCC 3'	^{5'} -AgC ^{3'}	^{5'} -gTg ^{3'}
		302	774
		^{5'} -ggT ^{3'}	^{5'} -ggT ^{3'}
		603	
		^{5'} -gTg ^{3'}	
Well No.	13	14	15

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

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

³The nucleotide position matching the specificity-determining 3'-end of the primer is given in the antisense 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.





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	CELL LINE VALIDATION SHEET																		
			HLA	-B*42 \$	SS	Pβ	rir	ne	r s	et ²									
											١	Nе	II						
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				Prod. No.:	202353101	202353102	202353103	202353104	202353105	202353106	202353107	202353108	202353109	202353110	202353111	202353112	202353113	202353114	202353115
	IH/V	/C cell line ¹		 B*	•	-	-	-	-	-	-				-	-			,,
1	9001		*07:02		+	-	-	_	-	-	-	-	+	-	-	-	-	-	-
2		LK707	*52:01	*73:01	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3		E4181324	*52:01	73.01	_	-	-	-	_	-	_	-	-	-	-	-	-	-	-
4		GU373	*15:10	*53:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5		KAS011	*37:01	00.01	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-
6	9353		*39:01	*51:01	-	-	-	-	-	-	÷	+	-	-	-	-	-	-	-
7	9020		*18:01	01.01	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-
8	9025		*35:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026		*38:01		-	-	-	-	-	-	-	+	Ē	-	-	-	-	-	-
10		LKT3	*54:01		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11		PITOUT	*44:03	-	-	-	-	-	-	-	-	-	Η-	-	-	-	-	-	-
12	9052		*57:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13		JESTHOM	*27:05		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14		OLGA	*15:01	*15:20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075		*40:01	10.20	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16		SWEIG007	*40:02		_	-	-	-	_	-	-	+	-	+	-	-	-	-	-
17		CTM3953540	*08:01	*55:01	+	+	-	_	_	+	_	-	-	Ė	-	-	-	-	-
18		32367	*14:01	*56:01	+	-	-	-	_	-	_	+	-	-	-	-	-	-	-
19		BM16	*18:01	00.01	Ė	-	-	-	_	-	-	+	-	-	-	-	-	-	-
20		SLE005	*40:01		_	-	-	-	_	-	_	Ė	-	-	-	-	-	-	-
21		AMALA	*15:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22		KOSE	*35:03		_	-	-	-	_	-	_	-	-	-	-	-	-	-	-
23	9124		*40:02	*56:02	+	-	-	-	_	-	_	+	-	+	-	-	-	-	-
24		JBUSH	*38:01	00.02	÷	-	-	-	-	-	-	+	-	Ė	-	-	-	-	-
25		IBW9	*14:02		_	-	-	-	_	-	-	-	-	-	-	-	-	-	-
26		WT49	*58:01		_	-	-	-	_	-	_	-	-	-	-	-	-	-	-
27		CH1007 ¹	*07:05	*51:01	+	-	-	-	_	-	_	-	+	-	-	-	-	-	-
28		BEL5GB	*44:02	*44:03	-	-	-	-	-	-	-	-	-		-	-	-	-	-
29	9050		*44:03	44.03	-	-	-	-	-	-	-	-	Ė		-	-	-	-	-
30	9021		*42:01		+	+	_	-	-	+	-	-	+	H	-	-	-	-	-
31		DUCAF	*18:01		-	-	-	-	-	-	-	+	-	-	-	-	-	-	-
32		HAG	*41:02		-	+	-	-	-	+	-	-	-		-	-	-	-	-
33		MT14B	*40:01		-	-	_	-	-	-	-	-	-	Ē	-	-	-	-	-
34	9104		*38:01		-		_	-	÷	-	÷		H	Ē	÷	H	-	-	-
35		SSTO	*44:02		-	-	-	-	÷	-	Ē	+	Ē	-	÷	H	-	-	_
36		KT17	*15:01	*35:01		-	-	-	-	-	-	-	H		÷	-	-	-	-
37		HHKB	*07:02	55.01		-	=	-	-	-	-	-		Ē	-	-	-	-	-
38	9099		*15:01		+		-	-	÷		-	-	+	Ē	÷	H		-	-
39	9099		*08:01	*27:05	-		-	-	÷	+	_	-	H	Ē	÷	H		-	-
40		WHONP199	*13:02	*46:01		+	-			-	-	-	-			H		-	-
40				40.01	-		_	-	-				-	_	-	_	-		Ė
41		H0301	*14:02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		TAB089	*46:01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43		T7526	*46:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057		*38:01	*50:01	-	-	-	-	-	-	-	+	i.	-	-	-	-	-	-
45		SHJO	*42:01	*50:01	+	+	-	-	-	+	-	-	+	-	-	-	-	-	-
46		SCHU	*07:02		+	-	-	-	-	-	-	-	+	-	-	-	-	-	-
47		TUBO ¹	*51:01		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*35:01	*44:03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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

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

No DNAs carrying the alleles to be amplified by primer solution 5, 11 and 13 to 15 were available. The specificities of the primers in primer solutions 5, 11, 14 and 15 were tested by separately adding one or two additional 3'-primers, or one additional 5'-primer accordingly. In primer solution 13 it was only possible to test the 5'-primers, the 3'-primers were not possible to be tested. In primer solution 15 one 5'-primer was not possible to be tested. In primer solutions 14 and 15 one or two 3'-primers were not possible to be tested. In addition, one 5'-primer in primer solution 7 was tested by separately adding one 3'-primer.

•LERUP SSP

HLA-B*42 Product Insert 101.543-06 – including *Taq* polymerase 101.543-06u – without *Taq* polymerase Page 15 of 15
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