

Lot No.: **51F**

Lot-specific information

Olerup SSP[®] HLA-B*08

Product number: 101.513-24u/04u - without *Taq* pol.
 Lot number: 51F
 Expiry date: 2011-February-01
 Number of tests: 24 tests – Product No. 101.513-24u
 4 tests – Product No. 101.513-04u
 Number of wells per test: 32
 Storage - pre-aliquoted primers: dark at -20°C
 - PCR Master Mix: -20°C
 - Adhesive PCR seals RT
 - Product Insert RT

This Product Description is only valid for Lot No. 51F.

CHANGES COMPARED TO THE PREVIOUS *OLERUP SSP[®]* HLA-B*08 LOT

The HLA-B*08 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup SSP[®]* HLA-B*08 lot was made (Lot No. 24E).

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

Well	5'-primer	3'-primer	rationale
6	-	-	Exchanged positive control primers.
7	-	Added	New primer for the B*0836 allele.
10	-	Modified	Modified 3'-primer to increase specificity.
11	-	Modified	Modified 3'-primer to increase specificity.
13	-	Modified	Modified 3'-primer to increase specificity.
14	-	Modified	Modified 3'-primer to increase specificity.
16	-	Modified	Modified 3'-primer to increase specificity.
19	-	-	Exchanged positive control primers.
23	-	Modified	Modified 3'-primer to increase specificity.
27	-	Added	New primer to improve resolution of the B*0822 and B*0838 alleles.
29	-	Added	New primer for the B*0836 allele.
30	-	Modified	Modified 3'-primer to increase specificity.
32	-	Modified	Modified 3'-primer to increase specificity.

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PRODUCT DESCRIPTION

HLA-B*08 SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers for identifying the B*0801 to B*0838 alleles.

PLATE LAYOUT

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

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

The 32 well cut PCR plate is marked with 'HLA-B*08' in silver/gray ink. Well No. 1 is marked with the Lot No. '51F'.

The PCR plates are covered with a PCR-compatible foil.

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

INTERPRETATION

The interpretation of HLA-B*08 SSP subtypings will be influenced by the several, B*07 alleles, the B*1318 allele, the B*1405 allele, twelve B*15 alleles, two B*18 alleles, seven B*27 alleles, most B*35 alleles, the B*3709 allele, two B*38 alleles, several B*39 alleles, most B*40 alleles, the B*41 alleles, most B*42 alleles, five B*44 alleles, the B*4509 allele, most B*48 alleles, most B*51 alleles, the B*5206 alleles, most B*53 alleles, the B*5410 allele, five B*55 alleles, two B*57 allele, the B*5818 allele, the B*59 alleles, the B*6702 allele, the B*7301 allele, most B*78 alleles and the B*81 alleles when present on the other haplotype. In addition, the Cw*0305, Cw*0325, Cw*0327 and Cw*0808 alleles will be amplified by the primer mix 15.

UNIQUELY IDENTIFIED ALLELES

All the HLA-B*08 alleles, i.e. **B*0801 to B*0838**, recognized by the HLA Nomenclature Committee in January 2009¹ will give rise to unique amplification patterns by the primers in the HLA-B*08 subtyping kit.

The HLA-B*08 subtyping primer set can not distinguish the B*080101 to B*080106 alleles.

¹HLA-B alleles listed on the IMGT/HLA web page 2009-January-16, release 2.24.0, www.ebi.ac.uk/imgt/hla.

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RESOLUTION IN HOMO- AND HETEROZYGOTES

The 38 HLA-B*08 alleles can be combined in 741 homozygous and heterozygous combinations. 264 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products generated by primer mixes 7, 20, 23, 27 and 29 were not considered in these calculations.

+++++--	-----	-----	-----	0802,0804 = 0802,0824
++++-----	--+-----	-----	-----	0802,0809 = 0802,0827
+++--+--	-----	-----	-----	0803,0804 = 0803,0824 =
				0804,0823 = 0823,0824
+++--+--	-----	-----	-----+---	0803,0836 = 0823,0836
+++--+--	-----	-----	-----	0803,0805 = 0805,0823
+++--+--	-----	-----+	-----	0803,0806 = 0806,0823
+++--+--	-----	-----	-----	0803,0820 = 0820,0823
+++--+--	+-----	-----	+-----+	0803,0837 = 0823,0837
+++--+--	+-----	-----	-----	0803,0807 = 0807,0823
+++--+--	-+-----	-----	-----	0803,0808N = 0808N,0823
+++--+--	--+-----	-----	-----	0803,0809 = 0803,0827 =
				0809,0823 = 0823,0827
+++--+--	---+-----	-----	-----	0803,0810 = 0810,0823
+++--+--	-----+---	-----	-----	0803,0811 = 0811,0823
+++--+--	-----+--	--+-----	-----	0803,0816 = 0816,0823
+++--+--	-----+--	-----	-----	0803,0812 = 0812,0823
+++--+--	-----++	-----+	-----	0803,0825 = 0823,0825
+++--+--	-----++	-----	-----	0803,0813 = 0813,0823
+++--+--	-----	+-----	-----	0803,0814 = 0814,0823
+++--+--	-----	---+-----	--+-----	0803,0822 = 0822,0823
+++--+--	-----	---+-----	-----	0803,0838 = 0823,0838
+++--+--	-----	---+-----	-----	0803,0818 = 0818,0823
+++--+--	-----	-----+--	-----	0803,0819N = 0819N,0823
+++--+--	-----	-----+--	-----	0803,0821 = 0821,0823
+++--+--	-----	-----	+-----+	0803,0835 = 0823,0835
+++--+--	-----	-----	+-----	0803,0828 = 0823,0828
+++--+--	-----	-----	-+-----	0803,0829 = 0823,0829
+++--+--	-----	-----	--+-----	0803,0830N = 0823,0830N
+++--+--	-----	-----	---+-----	0803,0831 = 0823,0831
+++--+--	-----	-----	-----+---	0803,0832 = 0823,0832
+++--+--	-----	-----	-----+--	0803,0833 = 0823,0833
+++--+--	-----	-----	-----+--	0803,0834 = 0823,0834
+++--+--	-----	-----	-----	0801,0803 = 0801,0823 =
				0803,0823 = 0823,0823
+++--+--	-----	-----	-----+---	0804,0836 = 0824,0836
+++--+--	-----	-----	-----	0804,0805 = 0805,0824
+++--+--	-----	---+-----	-----	0806,0817 = 0817,0820
+++--+--	-----	-----+	-----	0804,0806 = 0806,0824
+++--+--	-----	-----	-----	0804,0820 = 0820,0824
+++--+--	+-----	-----	+-----+	0804,0837 = 0824,0837
+++--+--	+-----	-----	-----	0804,0807 = 0807,0824
+++--+--	-+-----	-----	-----	0804,0808N = 0808N,0824
+++--+--	--+-----	---+-----	-----	0809,0817 = 0817,0827
+++--+--	--+-----	-----	-----	0804,0809 = 0804,0827 =
				0809,0824 = 0824,0827
+++--+--	---+-----	-----	-----	0804,0810 = 0810,0824

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+++--+-	-----+	-----	-----	0804,0811 = 0811,0824
+++--+-	-----+	--+-----	-----	0804,0816 = 0816,0824
+++--+-	-----+	-----	-----	0804,0812 = 0812,0824
+++--+-	-----++	---+--+	-----	0813,0817 = 0817,0825
+++--+-	-----++	-----+	-----	0804,0825 = 0824,0825
+++--+-	-----++	-----	-----	0804,0813 = 0813,0824
+++--+-	-----	+-----	-----	0804,0814 = 0814,0824
+++--+-	-----	-+-----	-----	0804,0815 = 0815,0824
+++--+-	-----	---+--+	--+-----	0817,0822 = 0817,0830N
+++--+-	-----	---+--+	-----	0801,0817 = 0817,0821 =
				0817,0824 = 0817,0838
+++--+-	-----	---+-----	--+-----	0804,0822 = 0822,0824
+++--+-	-----	---+-----	-----	0804,0838 = 0824,0838
+++--+-	-----	---+-----	-----	0804,0818 = 0818,0824
+++--+-	-----	-----+	-----	0804,0819N = 0819N,0824
+++--+-	-----	-----+	-----	0804,0821 = 0821,0824
+++--+-	-----	-----	+-----+	0804,0835 = 0824,0835
+++--+-	-----	-----	+-----	0804,0828 = 0824,0828
+++--+-	-----	-----	-+-----	0804,0829 = 0824,0829
+++--+-	-----	-----	--+-----	0804,0830N = 0824,0830N
+++--+-	-----	-----	---+-----	0804,0831 = 0824,0831
+++--+-	-----	-----	-----+	0804,0832 = 0824,0832
+++--+-	-----	-----	-----+	0804,0833 = 0824,0833
+++--+-	-----	-----	-----+	0804,0834 = 0824,0834
+++--+-	-----	-----	-----	0801,0804 = 0801,0824 =
				0804,0824 = 0824,0824
+++--+-	--+-----	-----	-----+	0809,0836 = 0827,0836
+++--+-	--+-----	-----	-----	0805,0809 = 0805,0827
+++--+-	-----	-----	-----+	0801,0836 = 0805,0832 =
				0805,0836 = 0832,0836 =
				0836,0836
+++--+-	-----	-----	-----	0801,0805 = 0805,0805
+++--+-	-----+	-----+	-----	0801,0806 = 0806,0821 =
				0820,0821
+++-----	+-----	-----	+-----+	0809,0837 = 0827,0837
+++-----	+-----	-----	-----	0807,0809 = 0807,0827
+++-----	+-----	-----	+-----+	0801,0837 = 0807,0835 =
				0807,0837 = 0828,0837 =
				0835,0837 = 0837,0837
+++-----	+-----	-----	-----	0801,0807 = 0807,0807
+++-----	-+-----	-----	-----	0808N,0809 = 0808N,0827
+++-----	-+-----	-----	-----	0801,0808N = 0808N,0808N
+++-----	--+-----	-----	-----	0809,0810 = 0810,0827
+++-----	--+-----	-----	-----	0809,0811 = 0811,0827
+++-----	--+-----	+-----	-----	0809,0814 = 0814,0827
+++-----	--+-----	-+-----	-----	0809,0815 = 0815,0827
+++-----	--+-----	---+-----	--+-----	0809,0822 = 0822,0827
+++-----	--+-----	---+-----	-----	0809,0838 = 0827,0838
+++-----	--+-----	---+-----	-----	0809,0818 = 0818,0827
+++-----	--+-----	-----+	-----	0809,0819N = 0819N,0827
+++-----	--+-----	-----+	-----	0809,0821 = 0821,0827
+++-----	--+-----	-----+	-----	0809,0826 = 0826,0827
+++-----	--+-----	-----	+-----+	0809,0835 = 0827,0835

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+++-----	--+-----	-----	+-----	0809,0828 = 0827,0828
+++-----	--+-----	-----	-+-----	0809,0829 = 0827,0829
+++-----	--+-----	-----	--+-----	0809,0830N = 0827,0830N
+++-----	--+-----	-----	---+-----	0809,0831 = 0827,0831
+++-----	--+-----	-----	-----+---	0809,0832 = 0827,0832
+++-----	--+-----	-----	-----+--	0809,0833 = 0827,0833
+++-----	--+-----	-----	-----+-	0809,0834 = 0827,0834
+++-----	--+-----	-----	-----	0801,0809 = 0801,0827 =
				0809,0827 = 0827,0827
+++-----	---+-----	-----	-----	0801,0810 = 0810,0810
+++-----	-----+---	-----	-----	0801,0811 = 0811,0811
+++-----	-----++	-----+-	-----	0801,0825 = 0813,0821 =
				0821,0825
+++-----	-----	+-----	-----	0801,0814 = 0814,0814
+++-----	-----	---+-----	--+-----	0801,0822 = 0822,0822 =
				0822,0830N = 0822,0838 =
				0830N,0838
+++-----	-----	---+-----	-----	0801,0838 = 0838,0838
+++-----	-----	-----+---	-----	0801,0818 = 0818,0818
+++-----	-----	-----+--	-----	0801,0819N = 0819N,0819N
+++-----	-----	-----+-	-----	0801,0821 = 0821,0821
+++-----	-----	-----	+-----+	0801,0835 = 0828,0835 =
				0835,0835
+++-----	-----	-----	+-----	0801,0828 = 0828,0828
+++-----	-----	-----	-+-----	0801,0829 = 0829,0829
+++-----	-----	-----	--+-----	0801,0830N = 0830N,0830N
+++-----	-----	-----	---+-----	0801,0831 = 0831,0831
+++-----	-----	-----	-----+---	0801,0832 = 0832,0832
+++-----	-----	-----	-----+--	0801,0833 = 0833,0833
+++-----	-----	-----	-----+-	0801,0834 = 0834,0834
-++-----+	-----++	-----+-	-----	0806,0813 = 0806,0825 =
				0820,0825
-++-----+	-----	-----+-	-----	0806,0806 = 0806,0820
-++-----	-----+--	---+-----	-----	0812,0816 = 0816,0816
-++-----	-----++	-----+-	-----	0813,0825 = 0825,0825

0801 = 080101-080106

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SPECIFICITY TABLE

HLA-B*08 SSP subtyping

Specificities and sizes of the PCR products of the 32 primer mixes used for HLA-B*08 SSP subtyping

Primer Mix	Size of spec. PCR product ¹	Size of control band ²	Amplified HLA-B*08 alleles	Other amplified HLA Class I alleles ³
1	215 bp	800 bp	080101-0805, 0807, 0808N, 0810, 0811, 0814, 0815, 0817-0819N, 0821-0824, 0826-0838	0704, 0719, 0725, 3587, 3709, 4102, 4104, 4201, 4202, 420501-4209
2	215 bp	800 bp	080101-0803, 0805-0816, 0818-0825, 0827-0838	
3	245 bp	1070 bp	080101-080106, 0804-0814, 0816, 0818-0825, 0827-0838	0729, 9542, 3907 [?] , 3912
4	255 bp	1070 bp	0802	4449
5	245 bp	1070 bp	0803, 0823	9542
6	205 bp	800 bp	0804, 0817, 0824	9542, 4449
7⁶	215, 250 bp	1070 bp	0805, 0836	
8	170 bp	1070 bp	0806, 0820	070501-0706, 0732, 0740, 0753, 1318, 1530, 1558, 1573, 9550, 3518, 3544, 3908, 3911, 3918, 3933, 3936, 4015, 4016, 4023, 4805, 4819, 5105, 5129, 5154, 5161, 5410, 5509, 5521, 5702, 5712
9	165 bp	1070 bp	0807, 0837	0704, 0719, 0725, 1551, 3538, 3709, 4104, 4209, 4417, 4451, 4509
10	170 bp	800 bp	0808N	
11	290 bp	800 bp	0809, 0827	4101, 4105-4107, 4204, 5520

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12	385 bp	1070 bp	0810	
13⁵	85 bp	1070 bp	0811	
14	280 bp	1070 bp	0812, 0816	410301-410302, 5315
15	215 bp	1070 bp	0813, 0825	0726, 0734, 0743, 0748, 1405, 1555, 1814, 1822, 2707, 2711, 2724, 2732- 2734, 2743, 3505, 3516, 3517, 3522, 3530, 3531, 3551, 3558, 3572, 3589, 3903, 3914, 3924, 3929, 400201-4003, 4005, 4008, 4009, 4013, 4018, 4019, 4024, 4027, 4029, 4031, 4035, 4037, 4039, 4040, 4045, 4050, 4056-4058, 4071, 4078, 4080, 4082, 4085, 4089, 4090, 4091, 4094, 4454, 480101-480102, 4804, 4806, 4807, 4809-4816, 4818, 5314, 5504, 5818, 8101-8104N, Cw*0305, Cw*0325, Cw*0327, Cw*0808
16⁵	105 bp	800 bp	0813, 0825	5315
17⁵	95 bp	1070 bp	0814	0728, 2732, 4454
18	425 bp	800 bp	0815	0713, 0715, 3927, 4073, 6702, 7301
19	415 bp	1070 bp	0816	0713, 0715, 6702
20^{5,7}	140, 205 bp	1070 bp	0817, 0822, 0838	9542, 4449
21	465 bp	1070 bp	0818	7301
22⁵	130 bp	800 bp	0819N	
23^{5,8}	85, 235 bp	800 bp	0806, 0817, 0821, 0825	1557, 9535, 3527, 3556, 5315, 5512, 7806
24	215 bp	1070 bp	0826	0708, 0732, 0738, 1508, 1529, 1556, 350101-3519, 3521- 3525, 3527, 3527, 3529-3549, 3551-3562, 3564-3571, 3574, 3575, 3577, 3579-

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				3581, 3583, 3586-3594, 3806, 3807, 4406, 4806, 510101-5106, 5108-5121, 5123-512402, 5126-5132, 5134-5146, 5148-5163, 520601-520602, 530101-5308, 5310-5316, 5901-5904, 7801-780202, 7804
25	160 bp	1070 bp	0828, 0835, 0837	1551, 4209, 4417, 4509
26⁴	385 bp	1070 bp	0829	
27^{5,9}	105, 140 bp	1070 bp	0822, 0830N	
28⁵	85 bp	1070 bp	0831	
29¹⁰	150, 250 bp	1070 bp	0832, 0836	
30	280 bp	1070 bp	0833	
31	375 bp	1070 bp	0834	
32	225 bp	1070 bp	0835, 0837	4209, 5315

¹Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B*08 SSP typings.

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

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

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

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

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

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

Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B*08 subtyping.

In addition, wells number 2, 6, 10, 11, 16, 18, 22 and 23 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

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

³Due to the sharing of sequence motifs between HLA-B alleles some non-HLA-B*08 alleles will be amplified by primer mixes 1, 3, 4 to 6, 8, 9, 11, 14 to 21, 23 to 25 and 32. In addition, the Cw*0305, Cw*0325, Cw*0327 and Cw*0808 alleles will be amplified by the primer mix 15.

⁴Primer mix 26 may have a tendency of giving rise to nonspecific amplifications.

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

⁶Primer mix 7: Specific PCR fragment of 215 bp in the B*0805 allele. Specific PCR fragment of 250 bp in the B*0836 alleles.

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⁷Primer mix 20: Specific PCR fragment of 140 bp in the B*0822 allele. Specific PCR fragment of 205 bp in B*0817 and B*0838 and in the B*9542 and B*4449 alleles.

⁸Primer mix 23: Specific PCR fragment of 90 bp in the B*0821 and B* 0825 and B*5315 alleles. Specific PCR fragment of 235 bp in the B*0806, 0817 and in the B*1557, B*9535, B*3527, B*3556, B*5512 and B*7806 alleles.

⁹Primer mix 27: Specific PCR fragment of 105 bp in the B*0830N allele. Specific PCR fragment of 140 bp in the B*0822 allele.

¹⁰Primer mix 29: Specific PCR fragment of 150 bp in the B*0832 allele. Specific fragment of 250 bp in the B*0836 allele.

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INTERPRETATION TABLE																
HLA-B*08 SSP subtyping																
Amplification patterns of the B*0801 to B*0838 alleles																
	Well⁴															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	215	215	245	255	245	205	215	170	165	170	290	385	85	280	215	105
PCR product							250									
Length of int.	800	800	1070	1070	1070	800	1070	1070	1070	800	800	1070	1070	1070	1070	800
pos. control ¹																
5'-primer(s) ²	363	97	97	97	97	97	97	412	412	475	355	44	560	363	363	539
	5'-AgC ^{3'}	5'-TCg ^{3'}	5'-TCg ^{3'}	5'-TCg ^{3'}	5'-TCg ^{3'}	5'-TCg ^{3'}	5'-TCg ^{3'}	5'-ATA ^{3'}	5'-ATg ^{3'}	5'-ACg ^{3'}	5'-TCC ^{3'}	5'-ggc ^{3'}	5'-CgC ^{3'}	5'-Agg ^{3'}	5'-AgC ^{3'}	5'-gCT ^{3'}
											357					
											5'-Tgg ^{3'}					
3'-primer(s) ³	538	272	299	309	292	251	269	539	538	610	610	259	610	610	539	610
	5'-gTC ^{3'}	5'-TgA ^{3'}	5'-TCT ^{3'}	5'-gTg ^{3'}	5'-gTA ^{3'}	5'-CCg ^{3'}	5'-Agg ^{3'}	5'-TCC ^{3'}	5'-gTC ^{3'}	5'-CTC ^{3'}	5'-CTC ^{3'}	5'-gTC ^{3'}	5'-CTC ^{3'}	5'-CTC ^{3'}	5'-TCA ^{3'}	5'-CTC ^{3'}
					309	272	307									
					5'-ATC ^{3'}	5'-Tgg ^{3'}	5'-CCA ^{3'}									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele																
*080101-080106	1	2	3													
*0802	1	2		4												
*0803	1	2			5											
*0804	1		3			6										
*0805	1	2	3				7									
*0806		2	3					8								
*0807	1	2	3						9							
*0808N	1	2	3							10						
*0809		2	3								11					
*0810	1	2	3									12				
*0811	1	2	3										13			
*0812		2	3											14		
*0813		2	3												15	16
*0814	1	2	3													
*0815	1	2														
*0816		2	3											14		
*0817	1					6										
*0818	1	2	3													
*0819N	1	2	3													
*0820		2	3					8								
*0821	1	2	3													
*0822	1	2	3													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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HLA-B*08 SSP subtyping																
Amplification patterns of the B*0801 to B*0838 alleles																
Well⁴																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
95	425	415	140	465	130	85	215	160	385	105	85	150	280	375	225	Length of spec.
			205			235				140		250				PCR product
1070	800	1070	1070	1070	800	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	Length of int. pos. control ¹
363	44	44	97	44	636	106	97	419	317	363	610	97	364	319	419	5'-primer(s) ²
5'-AgC ^{3'}	5'-ggC ^{3'}	5'-ggC ^{3'}	5'-TCg ^{3'}	5'-ggC ^{3'}	5'-CAC ^{3'}	5'-CCa ^{3'}	5'-TCT ^{3'}	5'-gTC ^{3'}	5'-gCA ^{3'}	5'-AgC ^{3'}	5'-TgA ^{3'}	5'-TCg ^{3'}	5'-gCT ^{3'}	5'-gCT ^{3'}	5'-gTC ^{3'}	
			363			560										
			5'-AgC ^{3'}			5'-CCT ^{3'}										
418	299	289	261	341	724	302	272	538	419	426	3 rd I	206	610	412	610	3'-primer(s) ³
5'-gTC ^{3'}	5'-TCA ^{3'}	5'-AgC ^{3'}	5'-gTC ^{3'}	5'-CgT ^{3'}	5'-CTA ^{3'}	5'-ggT ^{3'}	5'-TgA ^{3'}	5'-gTC ^{3'}	5'-CgT ^{3'}	5'-TCT ^{3'}	5'-TA ^{3'}	5'-CCg ^{3'}	5'-CTC ^{3'}	5'-gTT ^{3'}	5'-CTC ^{3'}	
			461			610				461		307				
			5'-gCg ^{3'}			5'-CTC ^{3'}				5'-gCg ^{3'}		5'-CCA ^{3'}				
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-B allele
																*080101-080106
																*0802
																*0803
																*0804
																*0805
						23										*0806
																*0807
																*0808N
																*0809
																*0810
																*0811
																*0812
																*0813
17																*0814
	18															*0815
		19														*0816
			20			23										*0817
				21												*0818
					22											*0819N
																*0820
						23										*0821
			20							27						*0822
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

Lot No.: **51F**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	170	290	385	85	280	215	105
PCR product							250									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0823	1	2	3		5											
*0824	1	2	3		6											
*0825		2	3												15	16
*0826	1															
*0827	1	2	3								11					
*0828	1	2	3													
*0829	1	2	3													
*0830N	1	2	3													
*0831	1	2	3													
*0832	1	2	3													
*0833	1	2	3													
*0834	1	2	3													
*0835	1	2	3													
*0836	1	2	3		7											
*0837	1	2	3						9							
*0838	1	2	3													
*0704, 0719, 0725, 3709, 4104	1								9							
*070501-0706, 0740, 0753, 1318, 1530, 1558, 1573, 9550, 3908, 3911, 3918, 3933, 3936, 4015, 4016, 4023, 4805, 4819, 5410, 5509, 5521, 5702, 5712							8									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Lot No.: **51F**

Lot-specific information

95	425	415	140	465	130	85	215	160	385	105	85	150	280	375	225	Length of spec. PCR product
			205			235				140		250				Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
																*0823
																*0824
						23										*0825
							24									*0826
								25								*0827
									26							*0828
										27						*0829
											28					*0830N
												29				*0831
													30			*0832
														31		*0833
								25							32	*0834
												29				*0835
								25								*0836
															32	*0837
			20													*0838
																*0704, 0719, 0725, 3709, 4104
																*070501-0706, 0740, 0753, 1318, 1530, 1558, 1573, 9550, 3908, 3911, 3918, 3933, 3936, 4015, 4016, 4023, 4805, 4819, 5410, 5509, 5521, 5702, 5712
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

Lot No.: **51F**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	170	290	385	85	280	215	105
PCR product							250									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0708, 0738, 1508, 1529, 1556, 350101- 350403, 3506-3515, 3519, 3521, 3523- 3525, 3529, 3532- 3537, 3539-3543, 3545-3549, 3552- 3555, 3557, 3559- 3562, 3564-3571, 3574, 3575, 3577, 3579-3581, 3583, 3586, 3588, 3590- 3594, 3806, 3807, 4406, 510101-5104, 5106, 5108-5121, 5123-512402, 5126- 5128, 5130-5132, 5134-5146, 5148- 5153, 5155-5160, 5162, 5163, 520601- 520602, 530101- 5308, 5310-5313, 5316, 5901-5904, 7801-780202, 7804 *0713, 0715, 6702																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Lot No.: **51F**

Lot-specific information

95	425	415	140	465	130	85	215	160	385	105	85	150	280	375	225	Length of spec. PCR product
			205			235				140		250				Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
							24									*0708, 0738, 1508, 1529, 1556, 350101- 350403, 3506-3515, 3519, 3521, 3523- 3525, 3529, 3532- 3537, 3539-3543, 3545-3549, 3552- 3555, 3557, 3559- 3562, 3564-3571, 3574, 3575, 3577, 3579-3581, 3583, 3586, 3588, 3590- 3594, 3806, 3807, 4406, 510101-5104, 5106, 5108-5121, 5123-512402, 5126- 5128, 5130-5132, 5134-5146, 5148- 5153, 5155-5160, 5162, 5163, 520601- 520602, 530101- 5308, 5310-5313, 5316, 5901-5904, 7801-780202, 7804
	18	19														*0713, 0715, 6702
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

Lot No.: **51F**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	175	295	385	90	290	215	110
PCR product							250									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0726, 0734, 0743, 0748, 1405, 1555, 1814, 1822, 2707, 2711, 2724, 2733, 2734, 2743, 3572, 3903, 3914, 3924, 3929, 400201-4003, 4005, 4008, 4009, 4013, 4018, 419, 4024, 4027, 4029, 4031, 4035, 4037, 4039, 4040, 4045, 4050, 4056-4058, 4071, 4078, 4080, 4082, 4085, 4089-4091, 4094, 480101-480102, 4804, 4807, 4809-4816, 4818, 5504, 5818, 8101-8104N															15	
*0728																
*0729, 3912			3													
*0732, 3518, 3544, 5105, 5129, 5154, 5161								8								
*1551 4417, 4509									9							
*1557, 9535, 5512, 7806																
*9542			3		5	6										
*2732, 4454															15	
*3505, 3516, 3517, 3522, 3530, 3531, 3551, 3558, 3589, 4806, 5314															15	
*3527, 3556																
*3538									9							
*3587	1															
*3907			?													
*3927, 4073																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Lot No.: **51F**

Lot-specific information

95	425	415	140	465	130	90	215	160	385	105	85	150	285	375	230	Length of spec. PCR product
			205			235				140		250				Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
																*0726, 0734, 0743, 0748, 1405, 1555, 1814, 1822, 2707, 2711, 2724, 2733, 2734, 2743, 3572, 3903, 3914, 3924, 3929, 400201-4003, 4005, 4008, 4009, 4013, 4018, 419, 4024, 4027, 4029, 4031, 4035, 4037, 4039, 4040, 4045, 4050, 4056-4058, 4071, 4078, 4080, 4082, 4085, 4089- 4091, 4094, 480101- 480102, 4804, 4807, 4809-4816, 4818, 5504, 5818, 8101- 8104N
17																*0728
																*0729, 3912
							24									*0732, 3518, 3544, 5105, 5129, 5154, 5161
								25								*1551 4417, 4509
						23										*1557, 9535, 5512, 7806
			20													*9542
17																*2732, 4454
							24									*3505, 3516, 3517, 3522, 3530, 3531, 3551, 3558, 3589, 4806, 5314
						23	24									*3527, 3556
							24									*3538
							24									*3587
																*3907
	18															*3927, 4073
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

Lot No.: **51F**

Lot-specific information

Length of spec.	215	215	245	255	245	205	215	170	165	170	290	385	85	280	215	105
PCR product							250									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*4101, 4105-4107, 4204, 5520											11					
*410301-410302														14		
*4102, 4201, 4202, 420501-4208	1															
*4209	1								9							
*4449				4		6										
*4451									9							
*5315														14		16
*7301																
HLA-B allele																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cw*0305, 0325, 0327, 0808															15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

¹The internal positive control primer pairs amplify segments of the human growth hormone gene. The two different control primer pairs give rise to either an internal positive control band of 1070 base pairs, for most wells, or a band of 800 base pairs, for some wells. Well number 1 contains the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to help in the correct orientation of the HLA-B*08 subtyping.

In addition, wells number 2, 6, 10, 11, 16, 18, 19, 22 and 23 contain the primer pair giving rise to the shorter, 800 bp, internal positive control band in order to allow kit identification.

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

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

Lot No.: **51F**

Lot-specific information

95	425	415	140	465	130	85	215	160	385	105	85	150	280	375	225	Length of spec. PCR product
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
			205			235				140		250				*4101, 4105-4107, 4204, 5520
																*410301-410302
																*4102, 4201, 4202, 420501-4208
								25							32	*4209
			20													*4449
																*4451
						23	24								32	*5315
	18			21												*7301
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	HLA-B allele Well No.
																Cw*0305, 0325, 0327, 0808
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

⁴Primer mix 7: Specific PCR fragment of 215 bp in the B*0805 allele. Specific PCR fragment of 250 bp in the B*0836 alleles.

Primer mix 20: Specific PCR fragment of 140 bp in the B*0822 allele. Specific PCR fragment of 205 bp in B*0817 and B*0838 and in the B*9542 and B*4449 alleles.

Primer mix 23: Specific PCR fragment of 90 bp in the B*0821 and B* 0825 and B*5315 alleles. Specific PCR fragment of 235 bp in the B*0806, 0817 and in the B*1557, B*9535, B*3527, B*3556, B*5512 and B*7806 alleles.

Primer mix 27: Specific PCR fragment of 105 bp in the B*0830N allele. Specific PCR fragment of 140 bp in the B*0822 allele.

Primer mix 29: Specific PCR fragment of 150 bp in the B*0832 allele. Specific fragment of 250 bp in the B*0836 allele.

Lot No.: **51F**

Lot-specific information

CELL LINE VALIDATION SHEET																				
HLA-B*08 SSP subtyping kit																				
				Well																
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
				Prod. No.:	200855601	200514602	200514603	200514604	200514605	200855606	200855607	200855608	200855609	200855610	200855611	200514612	200855613	200855614	200855615	200855616
IHC cell line		B*																		
1	9001	SA	*0702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280	LK707	*5201	*7301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9011	E4181324	*52011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275	GU373	*1510	*5301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9009	KAS011	*3701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353	SM	*3901	*5101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9020	QBL	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9007	DEM	*5701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026	YAR	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107	LKT3	*5401		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051	PITOUT	*4403		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052	DBB	*5701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004	JESTHOM	*2705		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071	OLGA	*1501	*1520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075	DKB	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+
16	9037	SWEIG007	*4002		-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-
17	9282	CTM3953540	*0801	*5501	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257	32367	*1401	*5601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038	BM16	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059	SLE005	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+
21	9064	AMALA	*1501		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056	KOSE	*3503		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	9124	IHL	*4002	*5602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-
24	9035	JBUSH	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049	IBW9	*1402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285	WT49	*5801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191	CH1007	*0705	*5101	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
28	9320	BEL5GB	*4402	*4403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050	MOU	*4403		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021	RSH	*4201		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019	DUCAF	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297	HAG	*4102		+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098	MT14B	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	+
34	9104	DHIF	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302	SSTO	*4402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024	KT17	*1501	*3501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	9065	HHKB	*0702		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099	LZL	*1501		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315	CML	*0801	*2705	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134	WHONP199	*1302	*4601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055	H0301	*1402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066	TAB089	*4601		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076	T7526	*4601		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057	TEM	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239	SHJO	*4201	*5001	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013	SCHU	*0702		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045	TUBO	*5101		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	9303	TER-ND	*3501	*4403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lot No.: **51F**

Lot-specific information

CELL LINE VALIDATION SHEET																			
HLA-B*08 SSP subtyping kit																			
			Prod. No.:	Well															
				17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	IHWC cell line	B*		200514617	200514618	200855619	200514620	200855621	200514622	200855623	200514624	200729725	200842926	200855627	200729728	200855629	200855630	200842931	200855632
1	9001 SA	*0702		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9280 LK707	*5201	*7301	-	+	-	-	+	-	-	-	-	-	-	-	-	-	-	-
3	9011 E4181324	*52011		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9275 GU373	*1510	*5301	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
5	9009 KAS011	*3701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	9353 SM	*3901	*5101	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
7	9020 QBL	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9007 DEM	*5701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9026 YAR	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	9107 LKT3	*5401		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9051 PITOUT	*4403		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	9052 DBB	*5701		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9004 JESTHOM	*2705		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9071 OLGA	*1501	*1520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	9075 DKB	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	9037 SWEIG007	*4002		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	9282 CTM3953540	*0801	*5501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	9257 32367	*1401	*5601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	9038 BM16	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	9059 SLE005	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	9064 AMALA	*1501		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	9056 KOSE	*3503		-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
23	9124 IHL	*4002	*5602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	9035 JBUSH	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	9049 IBW9	*1402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	9285 WT49	*5801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	9191 CH1007	*0705	*5101	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
28	9320 BEL5GB	*4402	*4403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	9050 MOU	*4403		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	9021 RSH	*4201		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	9019 DUCAF	*1801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	9297 HAG	*4102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	9098 MT14B	*4001		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	9104 DHIF	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	9302 SSTO	*4402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	9024 KT17	*1501	*3501	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
37	9065 HHKB	*0702		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	9099 LZL	*1501		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	9315 CML	*0801	*2705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	9134 WHONP199	*1302	*4601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	9055 H0301	*1402		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	9066 TAB089	*4601		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	9076 T7526	*4601		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	9057 TEM	*3801		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	9239 SHJO	*4201	*5001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	9013 SCHU	*0702		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	9045 TUBO	*5101		-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
48	9303 TER-ND	*3501	*4403	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-

Lot No.: **51F**

Lot-specific information

CERTIFICATE OF ANALYSIS

Olerup SSP[®] HLA-B*08 SSP

Product number: 101.513-24/04u – without *Taq* pol.
Lot number: 51F
Expiry date: 2011-February-01
Number of tests: 24 tests – Product No. 101.513-24u
4 tests – Product No. 101.513-04u
Number of wells per test: 32

Well specifications:

Well No.	Production No.	Well No.	Production No.	Well No.	Production No.
1	2008-556-01	13	2008-556-13	25	2007-297-25
2	2005-146-02	14	2008-556-14	26	2008-429-26
3	2005-146-03	15	2008-556-15	27	2008-556-27
4	2005-146-04	16	2008-556-16	28	2007-297-28
5	2005-146-05	17	2005-146-17	29	2008-556-29
6	2008-556-06	18	2005-146-18	30	2008-556-30
7	2008-556-07	19	2008-556-19	31	2008-429-31
8	2008-556-08	20	2005-146-20	32	2008-556-32
9	2008-556-09	21	2008-556-21		
10	2008-556-10	22	2005-146-22		
11	2008-556-11	23	2008-556-23		
12	2005-146-12	24	2005-146-24		

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

No DNAs carrying the alleles to be amplified by primer solutions 4 to 7, 9, 10, 12 to 14, 16, 17, 19, 20, 23 and 25 to 32 were available. The specificities of the primers in primer solutions 5, 6, 9, 14, 16, 17, 19, 20, 23, 25 and 32 were tested by separately adding one additional 5'-primer, respectively one additional 3'-primer. The specificity of the 5'-primers in primer solutions 7, 12, 27 and 29 were tested by adding one additional 3'-primer, the 3'-primers were not possible to test. In primer solutions 10, 13, 26, 28, 30 and 31 it was only possible to test the 3'-primers, the 5'-primers were not possible to test. In primer solutions 6 and 20, one of the 3'-primers was not possible to test. In primer solution 11, additional 5'-primer was tested by separately adding a 3'-primer.

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

Date of approval: 2009-May-25

Approved by:

Quality Control, Supervisor

Lot No.: **51F**

Lot-specific information

Declaration of Conformity

Product name: *Olerup* SSP® HLA-B*08
Product number: 101.513-24u/04u
Lot number: 51F

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

Manufacturer: *Olerup* SSP AB
Hasselstigen 1
SE-133 33 Saltsjöbaden, Sweden
Phone: +46-8-717 88 27
Fax: +46-8-717 88 18

We, *Olerup* SSP AB, hereby declare that this product, to which this Declaration of Conformity relates is in conformity with the following Standard(s) and other normative document(s) ISO 9001:2000 and ISO 13485:2003, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex II List B, conformity assessed using Annex IV, as transposed into the national laws of the Member States of the European Union.

The Technical Documentation File is maintained at *Olerup* SSP AB, Hasselstigen 1, SE-133 33 Saltsjöbaden, Sweden.

The Authorized Representative located within the Community is: *Olerup* SSP AB.

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

Saltsjöbaden, Sweden
2009-May-25

Olle Olerup
Managing Director

Lot No.: **51F**

Lot-specific information

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