

**Olerup SSP® HLA-B\*08**

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Product number:                  | 101.513-24/04 – including <i>Taq</i> pol.                             |
| Lot number:                      | 51F                                                                   |
| Expiry date:                     | 2011-February-01                                                      |
| Number of tests:                 | 24 tests – Product No. 101.513-24<br>4 tests – Product No. 101.513-04 |
| 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.                        |

## 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 2009<sup>1</sup> 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.

<sup>1</sup>HLA-B alleles listed on the IMGT/HLA web page 2009-January-16, release 2.24.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

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Lot-specific information

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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

## 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 <sup>1</sup> | Size of control band <sup>2</sup> | Amplified HLA-B*08 alleles                                                         | Other amplified HLA Class I alleles <sup>3</sup>                                                                                                                                          |
|----------------------|----------------------------------------|-----------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>             | 215 bp                                 | <b>800 bp</b>                     | 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                                                                                                                         |
| <b>2</b>             | 215 bp                                 | <b>800 bp</b>                     | 080101-0803, 0805-0816, 0818-0825, 0827-0838                                       |                                                                                                                                                                                           |
| <b>3</b>             | 245 bp                                 | 1070 bp                           | 080101-080106, 0804-0814, 0816, 0818-0825, 0827-0838                               | 0729, 9542, 3907 <sup>?</sup> , 3912                                                                                                                                                      |
| <b>4</b>             | 255 bp                                 | 1070 bp                           | 0802                                                                               | 4449                                                                                                                                                                                      |
| <b>5</b>             | 245 bp                                 | 1070 bp                           | 0803, 0823                                                                         | 9542                                                                                                                                                                                      |
| <b>6</b>             | 205 bp                                 | <b>800 bp</b>                     | 0804, 0817, 0824                                                                   | 9542, 4449                                                                                                                                                                                |
| <b>7<sup>6</sup></b> | 215, 250 bp                            | 1070 bp                           | 0805, 0836                                                                         |                                                                                                                                                                                           |
| <b>8</b>             | 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 |
| <b>9</b>             | 165 bp                                 | 1070 bp                           | 0807, 0837                                                                         | 0704, 0719, 0725, 1551, 3538, 3709, 4104, 4209, 4417, 4451, 4509                                                                                                                          |
| <b>10</b>            | 170 bp                                 | <b>800 bp</b>                     | 0808N                                                                              |                                                                                                                                                                                           |
| <b>11</b>            | 290 bp                                 | <b>800 bp</b>                     | 0809, 0827                                                                         | 4101, 4105-4107, 4204, 5520                                                                                                                                                               |

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|                         |             |               |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------|---------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>12</b>               | 385 bp      | 1070 bp       | 0810                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>13<sup>5</sup></b>   | 85 bp       | 1070 bp       | 0811                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>14</b>               | 280 bp      | 1070 bp       | 0812, 0816                | 410301-410302, 5315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>15</b>               | 215 bp      | 1070 bp       | 0813, 0825                | 0726, 0734, 0743,<br>0748, 1405, 1555,<br>1814, 1822, 2707,<br>2711, 2724, 2732-<br>2734, 2743, 3505,<br>3516, 3517, 3522,<br>3530, 3531, 3551,<br>3558, 3572, 3589,<br>3903, 3914, 3924,<br>3929, 400201-4003,<br>4005, 4008, 4009,<br>4013, 4018, 4019,<br>4024, 4027, 4029,<br>4031, 4035, 4037,<br>4039, 4040, 4045,<br>4050, 4056-4058,<br>4071, 4078, 4080,<br>4082, 4085, 4089,<br>4090, 4091, 4094,<br>4454, 480101-480102,<br>4804, 4806, 4807,<br>4809-4816, 4818,<br>5314, 5504, 5818,<br>8101-8104N,<br><b>Cw*0305, Cw*0325,<br/>Cw*0327, Cw*0808</b> |
| <b>16<sup>5</sup></b>   | 105 bp      | <b>800 bp</b> | 0813, 0825                | 5315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>17<sup>5</sup></b>   | 95 bp       | 1070 bp       | 0814                      | 0728, 2732, 4454                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>18</b>               | 425 bp      | <b>800 bp</b> | 0815                      | 0713, 0715, 3927,<br>4073, 6702, 7301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>19</b>               | 415 bp      | 1070 bp       | 0816                      | 0713, 0715, 6702                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>20<sup>5,7</sup></b> | 140, 205 bp | 1070 bp       | 0817, 0822, 0838          | 9542, 4449                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>21</b>               | 465 bp      | 1070 bp       | 0818                      | 7301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>22<sup>5</sup></b>   | 130 bp      | <b>800 bp</b> | 0819N                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>23<sup>5,8</sup></b> | 85, 235 bp  | <b>800 bp</b> | 0806, 0817,<br>0821, 0825 | 1557, 9535, 3527,<br>3556, 5315, 5512,<br>7806                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>24</b>               | 215 bp      | 1070 bp       | 0826                      | 0708, 0732, 0738,<br>1508, 1529, 1556,<br>350101-3519, 3521-<br>3525, 3527, 3527,<br>3529-3549, 3551-3562,<br>3564-3571, 3574,<br>3575, 3577, 3579-                                                                                                                                                                                                                                                                                                                                                                                                               |

|                         |             |         |                  |                                                                                                                                                                                          |
|-------------------------|-------------|---------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |             |         |                  | 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 |
| <b>25</b>               | 160 bp      | 1070 bp | 0828, 0835, 0837 | 1551, 4209, 4417, 4509                                                                                                                                                                   |
| <b>26<sup>4</sup></b>   | 385 bp      | 1070 bp | 0829             |                                                                                                                                                                                          |
| <b>27<sup>5,9</sup></b> | 105, 140 bp | 1070 bp | 0822, 0830N      |                                                                                                                                                                                          |
| <b>28<sup>5</sup></b>   | 85 bp       | 1070 bp | 0831             |                                                                                                                                                                                          |
| <b>29<sup>10</sup></b>  | 150, 250 bp | 1070 bp | 0832, 0836       |                                                                                                                                                                                          |
| <b>30</b>               | 280 bp      | 1070 bp | 0833             |                                                                                                                                                                                          |
| <b>31</b>               | 375 bp      | 1070 bp | 0834             |                                                                                                                                                                                          |
| <b>32</b>               | 225 bp      | 1070 bp | 0835, 0837       | 4209, 5315                                                                                                                                                                               |

<sup>1</sup>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\*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.

<sup>2</sup>The 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.

<sup>3</sup>Due 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.

<sup>4</sup>Primer mix 26 may have a tendency of giving rise to nonspecific amplifications.

<sup>5</sup>Short specific PCR fragments are less intense and not as sharp as longer specific bands.

<sup>6</sup>Primer 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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<sup>7</sup>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.

<sup>8</sup>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.

<sup>9</sup>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.

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

| INTERPRETATION TABLE                                   |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       |                       |                       |                       |                       |                       |                       |
|--------------------------------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| HLA-B*08 SSP subtyping                                 |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       |                       |                       |                       |                       |                       |                       |
| Amplification patterns of the B*0801 to B*0838 alleles |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       |                       |                       |                       |                       |                       |                       |
|                                                        | Well <sup>4</sup>       |                       |                       |                       |                         |                       |                       |                       |                         |                       |                       |                       |                       |                       |                       |                       |
|                                                        | 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 <sup>1</sup>                              |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       |                       |                       |                       |                       |                       |                       |
| 5'-primer(s) <sup>2</sup>                              | 363                     | 97                    | 97                    | 97                    | 97                      | 97                    | 97                    | 412                   | 412                     | 475                   | 355                   | 44                    | 560                   | 363                   | 363                   | 539                   |
|                                                        | 5'-AgC <sup>3'</sup> 5' | -TCg <sup>3'</sup> 5' | -TCg <sup>3'</sup> 5' | -TCg <sup>3'</sup> 5' | -TCg <sup>3'</sup> 5'   | -TCg <sup>3'</sup> 5' | -TCg <sup>3'</sup> 5' | -ATA <sup>3'</sup> 5' | -ATg <sup>3'</sup> 5'   | -ACg <sup>3'</sup> 5' | -TCC <sup>3'</sup> 5' | -ggC <sup>3'</sup> 5' | -CgC <sup>3'</sup> 5' | -Agg <sup>3'</sup> 5' | -AgC <sup>3'</sup> 5' | -gCT <sup>3'</sup> 5' |
|                                                        |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       | 357                   |                       |                       |                       |                       |                       |
|                                                        |                         |                       |                       |                       |                         |                       |                       |                       |                         |                       | 5'-Tgg <sup>3'</sup>  |                       |                       |                       |                       |                       |
| 3'-primer(s) <sup>3</sup>                              | 538                     | 272                   | 299                   | 309                   | 292                     | 251                   | 269                   | 539                   | 538                     | 610                   | 610                   | 259                   | 610                   | 610                   | 539                   | 610                   |
|                                                        | 5'-gTC <sup>3'</sup> 5' | -TgA <sup>3'</sup> 5' | -TCT <sup>3'</sup> 5' | -gTg <sup>3'</sup> 5' | -gTA <sup>3'</sup> 5'   | -CCg <sup>3'</sup> 5' | -Agg <sup>3'</sup> 5' | -TCC <sup>3'</sup> 5' | 5'-gTC <sup>3'</sup> 5' | -CTC <sup>3'</sup> 5' | -CTC <sup>3'</sup> 5' | -gTC <sup>3'</sup> 5' | -CTC <sup>3'</sup> 5' | -CTC <sup>3'</sup> 5' | -TCA <sup>3'</sup> 5' | -CTC <sup>3'</sup> 5' |
|                                                        |                         |                       |                       |                       | 309                     | 272                   | 307                   |                       |                         |                       |                       |                       |                       |                       |                       |                       |
|                                                        |                         |                       |                       |                       | 5'-ATC <sup>3'</sup> 5' | -Tgg <sup>3'</sup> 5' | -CCA <sup>3'</sup>    |                       |                         |                       |                       |                       |                       |                       |                       |                       |
| 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                    |

| INTERPRETATION TABLE                                   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
|--------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------------|
| HLA-B*08 SSP subtyping                                 |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
| Amplification patterns of the B*0801 to B*0838 alleles |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
| Well <sup>4</sup>                                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
| 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 <sup>1</sup> |
| 363                                                    | 44                   | 44                   | 97                   | 44                   | 636                  | 106                  | 97                   | 419                  | 317                  | 363                  | 610                  | 97                   | 364                  | 319                  | 419                  | 5'-primer(s) <sup>2</sup> |
| 5'-AgC <sup>3'</sup>                                   | 5'-ggC <sup>3'</sup> | 5'-ggC <sup>3'</sup> | 5'-TCg <sup>3'</sup> | 5'-ggC <sup>3'</sup> | 5'-CAC <sup>3'</sup> | 5'-CCA <sup>3'</sup> | 5'-TCT <sup>3'</sup> | 5'-gTC <sup>3'</sup> | 5'-gCA <sup>3'</sup> | 5'-AgC <sup>3'</sup> | 5'-TgA <sup>3'</sup> | 5'-TCg <sup>3'</sup> | 5'-gCT <sup>3'</sup> | 5'-gCT <sup>3'</sup> | 5'-gTC <sup>3'</sup> |                           |
|                                                        |                      |                      | 363                  |                      |                      | 560                  |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
|                                                        |                      |                      | 5'-AgC <sup>3'</sup> |                      |                      | 5'-CCT <sup>3'</sup> |                      |                      |                      |                      |                      |                      |                      |                      |                      |                           |
| 418                                                    | 299                  | 289                  | 261                  | 341                  | 724                  | 302                  | 272                  | 538                  | 419                  | 426                  | 3 <sup>rd</sup>      | 206                  | 610                  | 412                  | 610                  | 3'-primer(s) <sup>3</sup> |
| 5'-gTC <sup>3'</sup>                                   | 5'-TCA <sup>3'</sup> | 5'-AgC <sup>3'</sup> | 5'-gTC <sup>3'</sup> | 5'-CgT <sup>3'</sup> | 5'-CTA <sup>3'</sup> | 5'-ggT <sup>3'</sup> | 5'-TgA <sup>3'</sup> | 5'-gTC <sup>3'</sup> | 5'-CgT <sup>3'</sup> | 5'-TCT <sup>3'</sup> | 5'-TA <sup>3'</sup>  | 5'-CCg <sup>3'</sup> | 5'-CTC <sup>3'</sup> | 5'-gTT <sup>3'</sup> | 5'-CTC <sup>3'</sup> |                           |
|                                                        |                      |                      | 461                  |                      |                      | 610                  |                      |                      |                      | 461                  |                      | 307                  |                      |                      |                      |                           |
|                                                        |                      |                      | 5'-gCg <sup>3'</sup> |                      |                      | 5'-CTC <sup>3'</sup> |                      |                      |                      | 5'-gCg <sup>3'</sup> |                      | 5'-CCA <sup>3'</sup> |                      |                      |                      |                           |
| 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                     |
| 17                                                     |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | *0813                     |
|                                                        | 18                   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | *0814                     |
|                                                        |                      | 19                   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | *0815                     |
|                                                        |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | *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.                  |

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| 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,<br>3709, 4104                                                                                                                                      | 1   |     |     |     |     |     |     |     | 9   |     |     |     |    |     |     |     |
| *070501-0706, 0740,<br>0753, 1318, 1530,<br>1558, 1573, 9550,<br>3908, 3911, 3918,<br>3933, 3936, 4015,<br>4016, 4023, 4805,<br>4819, 5410, 5509,<br>5521, 5702, 5712 |     |     |     |     |     |     |     | 8   |     |     |     |     |    |     |     |     |
| Well No.                                                                                                                                                              | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13 | 14  | 15  | 16  |

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| 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                                                                                                                                                           |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                                                                                                                                                              |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *0823                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *0824                                                                                                                                                                 |
|    |     |     |     |     |     | 23  |     |     |     |     |    |     |     |     |     | *0825                                                                                                                                                                 |
|    |     |     |     |     |     |     | 24  |     |     |     |    |     |     |     |     | *0826                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *0827                                                                                                                                                                 |
|    |     |     |     |     |     |     |     | 25  |     |     |    |     |     |     |     | *0828                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     | 26  |     |    |     |     |     |     | *0829                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     | 27  |    |     |     |     |     | *0830N                                                                                                                                                                |
|    |     |     |     |     |     |     |     |     |     |     | 28 |     |     |     |     | *0831                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    | 29  |     |     |     | *0832                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    |     | 30  |     |     | *0833                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     | 31  |     | *0834                                                                                                                                                                 |
|    |     |     |     |     |     |     |     | 25  |     |     |    |     |     |     | 32  | *0835                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    | 29  |     |     |     | *0836                                                                                                                                                                 |
|    |     |     |     |     |     |     |     | 25  |     |     |    |     |     |     | 32  | *0837                                                                                                                                                                 |
|    |     |     | 20  |     |     |     |     |     |     |     |    |     |     |     |     | *0838                                                                                                                                                                 |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *0704, 0719, 0725,<br>3709, 4104                                                                                                                                      |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *070501-0706, 0740,<br>0753, 1318, 1530,<br>1558, 1573, 9550,<br>3908, 3911, 3918,<br>3933, 3936, 4015,<br>4016, 4023, 4805,<br>4819, 5410, 5509,<br>5521, 5702, 5712 |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                                                                                                                                                              |

| 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,<br>1529, 1556, 350101-<br>350403, 3506-3515,<br>3519, 3521, 3523-<br>3525, 3529, 3532-<br>3537, 3539-3543,<br>3545-3549, 3552-<br>3555, 3557, 3559-<br>3562, 3564-3571,<br>3574, 3575, 3577,<br>3579-3581, 3583,<br>3586, 3588, 3590-<br>3594, 3806, 3807,<br>4406, 510101-5104,<br>5106, 5108-5121,<br>5123-512402, 5126-<br>5128, 5130-5132,<br>5134-5146, 5148-<br>5153, 5155-5160,<br>5162, 5163, 520601-<br>520602, 530101-<br>5308, 5310-5313,<br>5316, 5901-5904,<br>7801-780202, 7804<br>*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

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| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    |     |     |     |     |     |     | 24  |     |     |     |    |     |     |     |     | *0708, 0738, 1508,<br>1529, 1556, 350101-<br>350403, 3506-3515,<br>3519, 3521, 3523-<br>3525, 3529, 3532-<br>3537, 3539-3543,<br>3545-3549, 3552-<br>3555, 3557, 3559-<br>3562, 3564-3571,<br>3574, 3575, 3577,<br>3579-3581, 3583,<br>3586, 3588, 3590-<br>3594, 3806, 3807,<br>4406, 510101-5104,<br>5106, 5108-5121,<br>5123-512402, 5126-<br>5128, 5130-5132,<br>5134-5146, 5148-<br>5153, 5155-5160,<br>5162, 5163, 520601-<br>520602, 530101-<br>5308, 5310-5313,<br>5316, 5901-5904,<br>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

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| 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,<br>0748, 1405, 1555,<br>1814, 1822, 2707,<br>2711, 2724, 2733,<br>2734, 2743, 3572,<br>3903, 3914, 3924,<br>3929, 400201-4003,<br>4005, 4008, 4009,<br>4013, 4018, 419,<br>4024, 4027, 4029,<br>4031, 4035, 4037,<br>4039, 4040, 4045,<br>4050, 4056-4058,<br>4071, 4078, 4080,<br>4082, 4085, 4089-<br>4091, 4094, 480101-<br>480102, 4804, 4807,<br>4809-4816, 4818,<br>5504, 5818, 8101-<br>8104N |     |     |     |     |     |     |     |     |     |     |     |     |    |     | 15  |     |
| *0728                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |
| *0729, 3912                                                                                                                                                                                                                                                                                                                                                                                                             |     |     | 3   |     |     |     |     |     |     |     |     |     |    |     |     |     |
| *0732, 3518, 3544,<br>5105, 5129, 5154,<br>5161                                                                                                                                                                                                                                                                                                                                                                         |     |     |     |     |     |     | 8   |     |     |     |     |     |    |     |     |     |
| *1551 4417, 4509                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |     |     |     |     |     |     | 9   |     |     |     |    |     |     |     |
| *1557, 9535, 5512,<br>7806                                                                                                                                                                                                                                                                                                                                                                                              |     |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |
| *9542                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     | 3   |     | 5   | 6   |     |     |     |     |     |     |    |     |     |     |
| *2732, 4454                                                                                                                                                                                                                                                                                                                                                                                                             |     |     |     |     |     |     |     |     |     |     |     |     |    |     | 15  |     |
| *3505, 3516, 3517,<br>3522, 3530, 3531,<br>3551, 3558, 3589,<br>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

www.olerup.com

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

| 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,<br>4204, 5520   |     |     |     |     |     |     |     |     |     |     | 11  |     |    |     |     |     |
| *410301-410302                    |     |     |     |     |     |     |     |     |     |     |     |     |    | 14  |     |     |
| *4102, 4201, 4202,<br>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,<br>0327, 0808      |     |     |     |     |     |     |     |     |     |     |     |     |    |     | 15  |     |
| Well No.                          | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13 | 14  | 15  | 16  |

<sup>1</sup>The 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.

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

<sup>3</sup>The nucleotide position, in 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup> exon or the 3<sup>rd</sup> 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](http://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

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|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |                                   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----------------------------------|
| 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                       |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                          |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *4101, 4105-4107,<br>4204, 5520   |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *410301-410302                    |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *4102, 4201, 4202,<br>420501-4208 |
|    |     |     |     |     |     |     |     | 25  |     |     |    |     |     |     | 32  | *4209                             |
|    |     |     | 20  |     |     |     |     |     |     |     |    |     |     |     |     | *4449                             |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | *4451                             |
|    |     |     |     |     |     | 23  | 24  |     |     |     |    |     |     |     | 32  | *5315                             |
|    | 18  |     |     | 21  |     |     |     |     |     |     |    |     |     |     |     | *7301                             |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | HLA-B allele                      |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                          |
|    |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | Cw*0305, 0325,<br>0327, 0808      |
| 17 | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29  | 30  | 31  | 32  | Well No.                          |

<sup>4</sup>Primer 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.

| CELL LINE VALIDATION SHEET |                 |        |       |  |            |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|-----------------|--------|-------|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HLA-B*08 SSP subtyping kit |                 |        |       |  |            |           |           |           |           |           |           |           |           |           |           |           |
|                            |                 |        |       |  |            | Well      |           |           |           |           |           |           |           |           |           |           |
|                            |                 |        |       |  |            | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        |
|                            |                 |        |       |  | Prod. No.: | 200855601 | 200514602 | 200514603 | 200514604 | 200514605 | 200855606 | 200855607 | 200855608 | 200855609 | 200855610 | 200855611 |
|                            |                 |        |       |  |            | 200514612 | 200855613 | 200855614 | 200855615 | 200855616 |           |           |           |           |           |           |
|                            | IHWC 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 |  |            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |



## CERTIFICATE OF ANALYSIS

### Olerup SSP® HLA-B\*08 SSP

**Product number:** 101.513-24/04 – including *Taq* pol.  
**Lot number:** 51F  
**Expiry date:** 2011-February-01  
**Number of tests:** 24 tests – Product No. 101.513-24  
 4 tests – Product No. 101.513-04  
**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**

## Declaration of Conformity

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

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

**Manufacturer:** *Olerup* SSP AB  
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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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