**Lot-specific Information** 

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# Olerup SSP<sup>®</sup> HLA-B\*5701

| Product number:                  | 101.572-12 – including <i>Taq</i> polymerase |
|----------------------------------|--|
| Lot number:                      | 44G  |
| Expiry date:                     | 2011-October-01                              |
| Number of tests:                 | 12   |
| Number of wells per test:        | 8  |
| 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. 44G.

## CHANGES COMPARED TO THE PREVIOUS OLERUP SSP® HLA-B\*5701 Lot.

The HLA-B\*5701 specificity and interpretation tables have been updated for the HLA-B alleles described since the previous Olerup SSP<sup>®</sup> HLA-B\*5701 lot was made (Lot No. 88F).

The HLA-B\*5701 primer set is unchanged compared to the previous lot.



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## **PRODUCT DESCRIPTION**

## HLA-B\*5701 SSP subtyping

### CONTENT

The primer set contains 5'- and 3'-primers for identifying the B\*570101 to 570103 alleles.

### **PLATE LAYOUT**

Each test consists of 8 PCR reactions in an 8 well cut PCR plate.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
|   |   |   |   |   |   |   |   |

The 8 well cut PCR plate is marked with '5701' in silver/gray ink.

Well No. 1 is marked with the Lot No. '44G'.

A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays, and should be disregarded.

The PCR plates are heat-sealed with a PCR-compatible foil.

**Please note:** When removing each 8 well PCR plate, make sure that the remaining plates stay sealed. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

### INTERPRETATION

The interpretation of HLA-B\*5701 SSP subtypings will influence by the other B\*57 alleles and also by the B\*4030, 4034, 5514 and 5814 alleles.

### **UNIQUELY IDENTIFIED ALLELES**

HLA-B\*5701 will give rise to a unique amplification pattern by the primers in the HLA-B\*5701 kit<sup>1</sup>.

The HLA-B\*5701 typing kit cannot distinguish the B\*570101 to B\*570103 alleles.

<sup>1</sup>HLA-B alleles listed on the IMGT/HLA web page 2009-July-17, release 2.26.0, <u>www.ebi.ac.uk/imgt/hla</u>.



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# SPECIFICITY TABLE

## HLA-B\*5701 SSP subtyping

Specificities and sizes of the PCR products of the 8 primer mixes used for HLA-B\*5701 SSP subtyping

| Primer<br>Mix           | Size of<br>spec. PCR<br>product <sup>1</sup> | Size of<br>control<br>band <sup>2</sup> | Amplified<br>HLA-B*5701<br>alleles | Other amplified HLA-B alleles <sup>3</sup>  |
|-------------------------|--|---|------------------------------------|---|
| 1 <sup>4</sup>          | 90 bp  | 800 bp                                  | *570101-<br>570103                 | *5702-5715, 5717-5719   |
| 2                       | 220 bp                                       | 800 bp                                  | *570101-<br>570103                 | *570301, 570302, 5706-<br>5708, 5710, 5714-5718,<br><b>4030, 4034, 5514, 5814</b> |
| 3 <sup>4,6</sup>        | 95 bp, 170<br>bp                             | 800 bp                                  |                                    | *5704, 5706, 5718   |
| <b>4</b> <sup>4,5</sup> | 105 bp                                       | 1070 bp                                 |                                    | *5715   |
| 5 <sup>4,7</sup>        | 90 bp, 250<br>bp                             | 800 bp                                  |                                    | *5707, 5716   |
| 6 <sup>4,8</sup>        | 90 bp, 210<br>bp                             | 1070 bp                                 |                                    | *5702-570302, 5707-5709,<br>5712, 5717, <b>4030, 4034</b>                         |
| 7 <sup>9</sup>          | 165 bp, 215<br>bp                            | 1070 bp                                 |                                    | *5709, 5714, <b>5514, 5814</b>  |
| 8                       | 195 bp                                       | 1070 bp                                 |                                    | *5710   |

<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\*5701 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 lengths 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 inherit feature of the primer pair(s) of a primer mix. More often it is due to other factors such as too low amount of DNA in the PCR reactions, taking too long time in setting up the PCR reactions, working at elevated room temperature or using thermal cyclers that are not pre-heated.

<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\*5701 subtyping.

In addition, wells number 2, 3 and 5 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.

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<sup>3</sup>Due to the sharing of sequence motifs between HLA-B alleles some non-HLA-B\*57 alleles will be amplified by primer mixes 2, 6 and 7.

<sup>4</sup>Short specific PCR fragments are less intense and not as sharp as longer specific bands.

<sup>5</sup>Primer mix 4 has a tendency of giving rise to nonspecific amplifications.

<sup>6</sup>Primer mix 3: Specific PCR fragment of 95 bp in the B\*5704 allele. Specific PCR fragment of 170 bp in the B\*5706 and B\*5718 allele.

<sup>7</sup>Primer mix 5: Specific PCR fragment of 90 bp in the B\*5716 allele. Specific PCR fragment of 250 bp in the B\*5707 allele.

<sup>8</sup>Primer mix 6: Specific PCR fragment of 90 bp in the B\*5702-570302, 5707, 5709, 5712, 5717 and the B\*4030 and 4034 alleles. Specific PCR fragment of 210 bp in the B\*5708 allele. <sup>9</sup>Primer mix 7: Specific PCR fragment of 165 bp in the B\*5714 and B\*5514 and 5814 alleles.

Specific PCR fragment of 215 bp in the B\*5709 allele.



| HLA-B*5701                        | Product Insert | Page 5 of 12                     |  |  |
|-----------------------------------|----------------|----------------------------------|--|--|
| 101.572-12 – including Taq polyme | erase          | General "Instructions for Use"   |  |  |
|                                   | IFU-01 Rev     | v. No. 00 can be downloaded from |  |  |

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| Π                           | LA-B*                            | 57013                            | 55P (j                            |                                  | 4                                |                                  |                                  |                    |
|-----------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|
|                             | Well <sup>4</sup>                |                                  |                                   |                                  |                                  |                                  |                                  | 0                  |
|                             | 1                                | 2                                | 3                                 | 4                                | 5                                | 6                                | 7                                | 8                  |
| Length of spec.             | 90                               | 220                              | 95                                | 105                              | 90                               | 90                               | 165                              | 195                |
| PCR product                 |                                  |                                  | 170                               |                                  | 250                              | 210                              | 215                              |                    |
| Length of int.              | 800                              | 800                              | 800                               | 1070                             | 800                              | 1070                             | 1070                             | 1070               |
| pos. control <sup>1</sup>   |                                  |                                  |                                   |                                  |                                  |                                  |                                  |                    |
| 5'-ɒrimer(s) <sup>2</sup>   | 209                              | 362                              | 362                               | 209                              | 209                              | 320                              | 362                              | 103                |
|                             | <sup>5'</sup> -ggC <sup>3'</sup> | <sup>5'</sup> -ggT <sup>3'</sup> | <sup>5</sup> '-ggT <sup>3</sup> ' | <sup>5'</sup> -ggC <sup>3'</sup> |                                  |                                  | <sup>5'</sup> -ggT <sup>3'</sup> | <sup>5'</sup> -CCT |
|                             |                                  |                                  |                                   |                                  | 362                              | 362                              |                                  |                    |
|                             |                                  |                                  |                                   |                                  | <sup>5'</sup> -ggT <sup>3'</sup> | <sup>5'</sup> -ggT <sup>3'</sup> |                                  |                    |
| 3'-primer(s) <sup>3</sup>   | 256                              | 539                              | 418                               | 271                              | 256                              | 2 <sup>nd</sup> I                | 486                              | 256                |
| נפוושווווע- כ               | _                                |                                  |                                   | 5' -CAC 3'                       |                                  |                                  |                                  |                    |
|                             |                                  |                                  | 481                               |                                  | 572                              | 412                              | 538                              |                    |
|                             |                                  |                                  | <sup>5'</sup> -gTA <sup>3'</sup>  |                                  |                                  | <sup>5'</sup> -gTT <sup>3'</sup> |                                  |                    |
|                             |                                  |                                  | 500                               |                                  |                                  |                                  |                                  |                    |
|                             |                                  |                                  | <sup>5'</sup> -ggA <sup>3'</sup>  |                                  |                                  |                                  |                                  |                    |
| Well No.                    | 1                                | 2                                | 3                                 | 4                                | 5                                | 6                                | 7                                | 8                  |
| HLA-B allele                |                                  |                                  |                                   |                                  |                                  |                                  |                                  |                    |
| *570101-570103              | 1                                | 2                                |                                   |                                  |                                  |                                  |                                  |                    |
| *5702, 5712                 | 1                                |                                  |                                   |                                  |                                  | 6                                |                                  |                    |
| *570301, 570302, 5708, 5717 | 1                                | 2                                |                                   |                                  |                                  | 6                                |                                  |                    |
| *5704                       | 1                                |                                  | 3                                 |                                  |                                  |                                  |                                  |                    |
| *5705, 5711, 5713, 5719     | 1                                |                                  |                                   |                                  |                                  |                                  |                                  |                    |
| *5706, 5718                 | 1                                | 2                                | 3                                 |                                  |                                  |                                  |                                  |                    |
| *5707                       | 1                                | 2                                |                                   |                                  | 5                                | 6                                |                                  |                    |
| *5709                       | 1                                |                                  |                                   |                                  |                                  | 6                                | 7                                |                    |
| *5710                       | 1                                | 2                                |                                   |                                  |                                  |                                  |                                  | 8                  |
| *5714                       | 1                                | 2                                |                                   |                                  |                                  |                                  | 7                                |                    |
| *5715                       | 1                                | 2                                |                                   | 4                                |                                  |                                  |                                  |                    |
| *5716                       |                                  | 2                                |                                   |                                  | 5                                |                                  |                                  |                    |
| *4030, 4034                 |                                  | 2                                |                                   |                                  |                                  | 6                                |                                  |                    |
| *5514, 5814                 |                                  | 2                                |                                   |                                  |                                  |                                  | 7                                |                    |
| HLA-B allele                |                                  |                                  |                                   |                                  |                                  |                                  |                                  |                    |
| Well No.                    | 1                                | 2                                | 3                                 | 4                                | 5                                | 6                                | 7                                | 8                  |

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<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\*5701 subtyping.

In addition, wells number 2, 3 and 5 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 2<sup>nd</sup> or 3<sup>rd</sup> exon, matching the specificity-determining 3'-end of the primer is given. Nucleotide numbering as on the www.ebi.ac.uk/imgt/hla web site. The sequence of the 3 terminal nucleotides of the primer is given.

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

<sup>4</sup>Primer mix 3: Specific PCR fragment of 95 bp in the B\*5704 allele. Specific PCR fragment of 180 bp in the B\*5706 and B\*5718 alleles.

Primer mix 5: Specific PCR fragment of 90 bp in the B\*5716 allele. Specific PCR fragment of 250 bp in the B\*5707 allele.

Primer mix 6: Specific PCR fragment of 90 bp in the B\*5702-570302, 5707, 5709, 5712, 5717 and the B\*4030 and 4034 alleles. Specific PCR fragment of 210 bp in the B\*5708 allele.

Primer mix 7: Specific PCR fragment of 165 bp in the B\*5714 and B\*5514 and 5814 alleles. Specific PCR fragment of 215 bp in the B\*5709 allele.



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| IHWC cell line   B*   B   C   B   C   B   C   B   C   B   C   B   C   B   C   B   C   B   C   B   C   | CELL LINE VALIDATION SHEET |       |            |       |          |     |     |     |     |                 |     |     |     |
|---|----------------------------|-------|------------|-------|----------|-----|-----|-----|-----|-----------------|-----|-----|-----|
| IHWC cell line   B*   I   Z   3   4   5   6   7   8     1   9001   SA   '000   '000   SA   '000   '000   SA   '000   '000   '000   '000   '000   '000   '000   '000   '000   '000   '000   '000   '00   | HLA-B*5701 SSP typing kit  |       |            |       |          |     |     |     |     |                 |     |     |     |
| IHWC cell line   B*   I <thi< th="">   I   I</thi<>   |                            |       |            |       |          |     |     |     | W   | ell             |     |     |     |
| IHWC cell line   B*   Image: state of the s |                            |       |            |       |          | 1   | 2   | 3   | 4   | 5               | 6   | 7   | 8   |
| IHWC cell line   B*   Image: state of the s |                            |       |            |       |          | -   | ~   | ~   | +   | 10              | 6   | ~   | ~   |
| IHWC cell line   B*   Image: state of the s |                            |       |            |       | .:<br>0  | 80, | 70  | 80  | 207 | 10 <sup>4</sup> | 80  | 807 | 808 |
| IHWC cell line   B*   Image: state of the s |                            |       |            |       | Z        | 959 | 348 | 959 | 348 | 348             | 959 | 959 | 959 |
| IHWC cell line   B*   Image: state of the s |                            |       |            |       | Do Lo    | ő   | õ   | Ő   | õ   | õ               | ő   | ő   | ő   |
| 1 9001 SA *0702 -   |                            | ILINA |            |       |          | 2   | 2   | 2   | 2   | 2               | N   | 2   | N   |
| 2 9280 LK707 *5201 *7301 -  | 1                          |       |            |       | <b>5</b> | -   | _   | -   | _   | -               | _   | -   | -   |
| 3 9011 E4181324 *52011 -  |                            |       |            |       | *7301    | -   | -   | -   | -   | -               | -   | -   | -   |
| 4 9275 GU373 *1510 *5301 -  |                            |       |            |       | 7301     | -   | -   | -   | -   | -               | -   | -   | -   |
| 5 9009 KAS011 "3701 - <   | -                          |       |            |       | *5301    | -   | -   | -   | -   | -               | -   | -   | -   |
| 6 9353 SM "3901 "5101 - <   |                            |       |            |       | 0001     | -   | -   | -   | -   | -               | -   | -   | -   |
| 7 9020 QBL *1801 -  |                            |       |            |       | *5101    | -   | -   | -   | -   | -               | -   | -   | -   |
| 8 9025 DEU *3501 -  | -                          |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 9 9026 YAR *3801 -  |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 10 9107 LKT3 *5401 - <t< th=""><th>-</th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></t<>  | -                          |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 11 9051 PTOUT *440301 -   | -                          |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 13 9025 JESTHOM *2705 -   | _                          |       |            |       | 1        | -   | -   | -   | -   | -               | -   | -   | -   |
| 14 9071 OLGA *1501 *1520 -  | 12                         | 9052  | DBB        | *5701 |          | +   | +   | -   | -   | -               | -   | -   | -   |
| 15 9075 DKB *4001 - <td< th=""><th>13</th><th>9025</th><th>JESTHOM</th><th>*2705</th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></td<>  | 13                         | 9025  | JESTHOM    | *2705 |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 16 9037 SWEG007 *4002 -   | 14                         | 9071  | OLGA       | *1501 | *1520    | -   | -   | -   | -   | -               | -   | -   | -   |
| 17 9282 CTM3953540 *0801 *5501 - <th>15</th> <th>9075</th> <th>DKB</th> <th>*4001</th> <th></th> <th>-</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th> <th>-</th>  | 15                         | 9075  | DKB        | *4001 |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 18 9257 32367 *1401 *5601 -   | 16                         | 9037  | SWEIG007   | *4002 |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 19 9038 BM16 *1801 - <t< th=""><th>17</th><th>9282</th><th>CTM3953540</th><th>*0801</th><th>*5501</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></t<>   | 17                         | 9282  | CTM3953540 | *0801 | *5501    | -   | -   | -   | -   | -               | -   | -   | -   |
| 20 9059 SLE005 *4001 -  |                            |       |            |       | *5601    | -   | -   | -   | -   | -               | -   | -   | -   |
| 21 9064 AMALA *1501 - <   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 22 9056 KOSE *3503 - <t< th=""><th></th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></t<>   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 23 9124 IHL *4002 *5602 -   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 24 9035 JBUSH *3801 - <   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 25 9049 IBW9 *1402 - <t< th=""><th></th><th></th><th></th><th></th><th>*5602</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></t<>  |                            |       |            |       | *5602    | -   | -   | -   | -   | -               | -   | -   | -   |
| 26 9285 WT49 *5801 - <t< th=""><th></th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></t<>   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 27 9191 CH1007 *0705 *5101 -  |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 28 9320 BEL5GB *4402 *4403 -  |                            |       |            |       | *= 4 0 4 | -   | •   | •   | -   | •               | -   | -   | -   |
| 29 9050 MOU *440301 - <   |                            |       |            |       |          | -   | -   | -   | -   |                 | -   | -   | -   |
| 30 9021 RSH *4201 - <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th><u> </u></th><th>-</th><th>-</th><th></th></td<>   |                            |       |            |       |          |     | -   |     |     | <u> </u>        | -   | -   |     |
| 31 9019 DUCAF *1801 - <   |                            |       |            |       | 1        | -   | -   | -   | -   | •               | -   | -   | -   |
| 32 9297 HAG *4102 - <td< th=""><th></th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></td<>  |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 33 9098 MT14B *4001 - <   |                            |       |            |       |          |     | -   | -   | -   | -               | -   | -   | -   |
| 34 9104 DHIF *3801 - <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th></t<>  |                            |       |            |       |          |     |     |     |     |                 |     |     | -   |
| 35 9302 SSTO *4402 - <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th></t<>  |                            |       |            |       |          |     |     |     |     |                 |     | -   |     |
| 36 9024 KT17 *1501 *3501 -  |                            |       |            |       |          |     |     |     |     |                 | -   | -   | -   |
| 37 9065 HHKB *0702 - <t< th=""><th></th><th></th><th></th><th></th><th>*3501</th><th></th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th></t<>   |                            |       |            |       | *3501    |     |     |     |     |                 | -   | -   | -   |
| 38 9099 LZL *1501 - <td< th=""><th></th><th></th><th></th><th></th><th>0001</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th></td<>   |                            |       |            |       | 0001     |     |     |     |     |                 |     |     | -   |
| 39 9315 CML *0801 *2705 -   |                            |       |            |       |          |     | -   |     |     |                 | -   |     | -   |
| 40 9134 WHONP199 *1302 *4601 -  |                            |       |            |       | *2705    | -   | -   | -   | -   | -               | -   | -   | -   |
| 41 9055 H0301 *1402 - <   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 42 9066 TAB089 *4601 -  |                            |       |            | _     |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 43 9076 T7526 *4601 - <   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 44 9057 TEM *3801 - <td< th=""><th></th><th></th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th></td<>  |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 45 9239 SHJO *4201 *5001 -  |                            | 9057  | TEM        | *3801 |          | -   | -   | -   | -   | -               | -   | -   | -   |
| 47 9045 TUBO *5101  | 45                         |       |            |       | *5001    | -   | -   | -   | -   | -               | -   | -   | -   |
|   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
|   |                            |       |            |       |          | -   | -   | -   | -   | -               | -   | -   | -   |
| <b>40</b> 3303 IER-IND 3301 4403   =   =   =   =   =   =   =   =   =  | 48                         |       |            | *3501 | *4403    | -   | -   | -   | -   | -               | -   | -   | -   |



General "Instructions for Use" IFU-01 Rev. No. 00 can be downloaded from

Lot No.: **44G** 

Lot-specific Information

www.olerup.com

# CERTIFICATE OF ANALYSIS

## *Olerup* SSP<sup>®</sup> HLA-B\*5701 SSP

Product number:101.572-12 – including Taq polymeraseLot number:44GExpiry date:2011-October-01Number of tests:12Number of wells per test:8

### Well specifications:

| Well No. | Production No. |
|----------|----------------|
| 1        | 2009-598-01    |
| 2        | 2008-487-02    |
| 3        | 2009-598-03    |
| 4        | 2008-487-04    |
| 5        | 2008-487-05    |
| 6        | 2009-598-06    |
| 7        | 2009-598-07    |
| 8        | 2009-598-08    |

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 3, 4, 5, 7 and 8 were available. The specificities of the primers in primer solutions 3, 5, 7 and 8 were tested by separately adding one or two additional 5'-primer(s), respectively one or two additional 3'-primer(s). In primer solution 4 it was only possible to test the 5'-primer, the 3'-primer was not possible to test. In primer solution 3, two 3'-primers were not possible to test, and in primer solution 5, one 5'-primer was not possible to test.

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

Date of approval: 2009-October-23

Approved by:

Quality Control, Supervisor



Lot-specific Information

www.olerup.com

## **Declaration of Conformity**

| Product name:<br>Product number:<br>Lot number: | <i>Olerup</i> SSP <sup>®</sup> HLA-B*5701<br>101.572-12<br>44G   |
|---|--|
| Intended use:                                   | HLA-B*5701 histocompatibility testing  |
| Manufacturer:                                   | <i>Olerup</i> SSP AB<br>Hasselstigen 1<br>SE-133 33 Saltsjöbaden, Sweden<br><i>Phone:</i> +46-8-717 88 27<br><i>Fax:</i> +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 9001:2008 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-October-23

Olle Olerup Managing Director



| HLA-B*5701                 | Product Insert           | Page 10 of 12                  |  |
|----------------------------|--------------------------|--------------------------------|--|
| 101.572-12 – including Tag | γ polymerase             | General "Instructions for Use" |  |
| _                          | IFU-01 Rev.              | No. 00 can be downloaded from  |  |
| Lot No.: <b>44G</b>        | Lot-specific Information | www.olerup.com                 |  |



| HLA-B*5701               | Product Insert           | Page 11 of 12                 |  |
|--------------------------|--------------------------|-------------------------------|--|
| 101.572-12 – including 7 | <b>aq polymerase</b> G   | eneral "Instructions for Use" |  |
| -                        | IFU-01 Rev. N            | o. 00 can be downloaded from  |  |
| Lot No.: <b>44G</b>      | Lot-specific Information | www.olerup.com                |  |



Lot-specific Information

www.olerup.com

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