

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information  
**Olerup SSP<sup>®</sup> DPB1**

**Product number:** 101.311-24/04 – including *Taq* pol.  
101.311-24u/04u – without *Taq* pol.  
**Lot number:** 25S  
**Expiry date:** 2015-November-01  
**Number of tests:** 24 tests – Product No. 101.311-24/24u  
4 tests – Product No. 101.311-04/04u  
**Number of wells per test:** 48  
**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. 25S.**

**CHANGES COMPARED TO THE PREVIOUS OLERUP SSP<sup>®</sup> DPB1 Lot (12R)**

The Lot-specific information for DPB1 including and without *Taq* polymerase is now described in one common Product Insert.

The DPB1 specificity and interpretation tables have been updated for the DPB1 alleles described since the previous Olerup SSP<sup>®</sup> DPB1 lot was made (**Lot No. 12R**).

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

| Well | 5'-primer | 3'-primer | rationale                                                             |
|------|-----------|-----------|-----------------------------------------------------------------------|
| 29   | Added     | Added     | Primer pair added for the DPB1*141:01 allele                          |
| 42   | -         | Exchanged | 3'-primer exchanged to decrease tendency of unspecific amplification. |

Change in revision R01 compared to R00:

1. The DPB1\*31:01 allele is not amplified by primer mix 4. This has been corrected in the Specificity and Interpretation Tables.

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

## PRODUCT DESCRIPTION

### DPB1 SSP typing

#### CONTENT

The primer set contains 5'- and 3'-primers for identifying the DPB1\*01:01 to DPB1\*141:01 alleles.

#### PLATE LAYOUT

Each test consists of 48 PCR reactions in a 48 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 |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |

The 48 well cut PCR plate is marked with 'DPB1' in silver/gray ink.

Well No. 1 is marked with the Lot No. '25S'.

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 48 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

Only DPB1 alleles will be amplified by the DPB1 typing kit. Thus, the interpretation of DPB1 typings is not influenced by the DPB2 gene or other HLA class II genes.

#### UNIQUELY IDENTIFIED ALLELES

All the phenotypically different DPB1 alleles, i.e. **DPB1\*01:01 to DPB1\*141:01**, recognized by the HLA Nomenclature Committee in January 2013<sup>1</sup> will give rise to unique amplification patterns by the primers in the DPB1 typing kit.

The DPB1 typing kit cannot distinguish the following silent mutations: DPB1\*01:01:01-01:01:03, the 02:01:02, 02:01:04-02:01:05 and 02:01:07-02:01:08, 03:01:01-03:01:02, 04:01:01:01-04:01:03, 04:02:01:01-04:02:01:02, 05:01:01-05:01:02, 09:01:01-09:01:02, 20:01:01-20:01:02, 26:01:01-26:01:02 and the DPB1\*41:01:01-41:01:02 alleles.

<sup>1</sup>DPB1 alleles listed on the IMGT/HLA web page 2013-January-11, release 3.11.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

### RESOLUTION IN HOMO- AND HETEROZYGOTES

A total of 159 alleles generate 141 amplification patterns that can be combined in 10011 homozygous and heterozygous combinations. 958 of these genotypes do not give rise to unique amplification patterns. The different lengths of the specific PCR products were not considered in these calculations.

|                      |                      |                                                                      |
|----------------------|----------------------|----------------------------------------------------------------------|
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *60:01 = *60:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *105:01 = *83:01, *105:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *77:01 = *77:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *105:01 = *94:01, *105:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *82:01 = *82:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *77:01 = *60:01, *94:01 = *77:01, *83:01 = *83:01, *94:01    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *82:01 = *82:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *31:01, *31:01 = *31:01, *102:01                                     |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *11:01:01, *11:01:01 = *11:01:01, *11:01:02                          |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *109:01, *113:01 = *113:01, *113:01                                  |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *68:01, *68:01 = *68:01, *84:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *75:01 = *75:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *80:01 = *80:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *129:01 = *94:01, *129:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *75:01, *77:01 = *75:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *80:01 = *80:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *23:01, *60:01 = *23:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *71:01 = *71:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *73:01, *77:01 = *73:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *108:01 = *94:01, *108:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *04:02:01:01, *60:01 = *04:02:01:01, *83:01                          |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *04:02:01:01, *77:01 = *04:02:01:01, *94:01                          |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *27:01, *27:01 = *27:01, *89:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *68:01, *75:01 = *75:01, *84:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *08:01, *08:01 = *08:01, *84:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *116:01 = *83:01, *116:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *47:01, *60:01 = *47:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *51:01, *60:01 = *51:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *115:01 = *83:01, *115:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *49:01, *60:01 = *49:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *85:01, *85:01 = *85:01, *89:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *138:01 = *83:01, *138:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *77:01, *116:01 = *94:01, *116:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *51:01, *77:01 = *51:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *32:01, *60:01 = *32:01, *83:01 = *41:01:01, *82:01                  |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *49:01, *77:01 = *49:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *59:01, *77:01 = *59:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *57:01, *68:01 = *57:01, *84:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *68:01, *73:01 = *73:01, *84:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *112:01 = *83:01, *112:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *73:01, *80:01 = *75:01, *108:01                                     |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *62:01 = *62:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *04:02:01:01, *23:01 = *105:01, *138:01                              |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *02:01:02-02:01:03, 02:01:06, *23:01 = *02:01:02-02:01:03, 02:01:06, |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *18:01, *77:01 = *18:01, *94:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *35:01:01, *35:01:01 = *35:01:01, *35:01:02                          |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *51:01, *99:01 = *99:01, *99:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *89:01, *90:01 = *90:01, *90:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *109:01, *137:01 = *113:01, *137:01                                  |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *109:01, *141:01 = *113:01, *141:01                                  |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *68:01, *105:01 = *84:01, *105:01                                    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *46:01, *46:01 = *46:01, *115:01                                     |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *48:01, *60:01 = *48:01, *83:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *60:01, *68:01 = *60:01, *84:01 = *68:01, *83:01 = *83:01, *84:01    |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *49:01, *80:01 = *51:01, *80:01                                      |
| -----+ +-----+ ----- | -----+ +-----+ ----- | *24:01, *60:01 = *24:01, *83:01                                      |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

|          |           |           |        |        |        |                                                                      |
|----------|-----------|-----------|--------|--------|--------|----------------------------------------------------------------------|
| ---+---+ | -----+    | -----+    | -----+ | -----+ | -----+ | *49:01, *68:01 = *49:01, *84:01                                      |
| -----+   | ++++---+  | -----     | -----  | -----+ | -----+ | *60:01, *141:01 = *83:01, *141:01                                    |
| ---+---+ | +---+---+ | -----+    | -----  | -----+ | -----+ | *60:01, *96:01 = *83:01, *96:01                                      |
| ---+---+ | +---+---+ | -----+    | -----  | -----+ | -----+ | *60:01, *120:01N = *83:01, *120:01N                                  |
| -----    | +---+---+ | +---+---+ | -----  | -----+ | -----+ | *55:01, *93:01 = *55:01, *137:01                                     |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *53:01, *60:01 = *53:01, *83:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *68:01, *82:01 = *82:01, *84:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *68:01, *77:01 = *68:01, *94:01 = *77:01, *84:01                     |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *60:01, *128:01 = *83:01, *128:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *60:01, *134:01 = *83:01, *134:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *53:01, *77:01 = *53:01, *94:01                                      |
| -----    | ++++---+  | -----     | -----  | -----+ | -----+ | *60:01, *103:01 = *83:01, *103:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *49:01, *108:01 = *51:01, *108:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *60:01, *121:01 = *83:01, *121:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *57:01, *77:01 = *57:01, *94:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *31:01, *94:01 = *94:01, *102:01                                     |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *31:01, *134:01 = *102:01, *134:01                                   |
| ---+---+ | +---+---+ | -----     | -----  | -----+ | -----+ | *31:01, *34:01 = *34:01, *102:01                                     |
| -----    | ++++---+  | +---+---+ | -----  | -----  | -----  | *10:01, *109:01 = *10:01, *113:01                                    |
| -----    | ++++---+  | -----     | -----  | -----  | -----  | *02:01:02-02:01:03, 02:01:06, *60:01 = *02:01:02-02:01:03, 02:01:06, |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *04:02:01:01, *68:01 = *04:02:01:01, *84:01                          |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *19:01, *19:01 = *19:01, *84:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *04:01:01:01, *49:01 = *39:01, *51:01                                |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *18:01, *68:01 = *18:01, *84:01                                      |
| +++++++  | -----     | -----     | -----  | -----  | -----  | *01:01:01, *01:01:01 = *01:01:01, *89:01 = *01:01:01, *90:01         |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *135:01, *135:01 = *135:01, *140:01                                  |
| ++-----  | -----     | ++++---+  | -----  | -----  | -----  | *35:01:02, *132:01 = *132:01, *132:01                                |
| ++-----  | -----     | -----     | -----  | -----  | -----  | *50:01, *68:01 = *50:01, *84:01                                      |
| ---+---+ | -----     | -----     | -----  | -----  | -----  | *53:01, *68:01 = *53:01, *84:01                                      |
| ---+---+ | -----     | -----     | -----  | -----  | -----  | *40:01, *51:01 = *53:01, *126:01                                     |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *68:01, *116:01 = *84:01, *116:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *68:01, *129:01 = *84:01, *129:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *08:01, *48:01 = *48:01, *84:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *51:01, *68:01 = *51:01, *84:01                                      |
| ---+---+ | -----     | -----     | -----  | -----  | -----  | *65:01, *65:01 = *65:01, *84:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *38:01, *38:01 = *38:01, *135:01 = *38:01, *140:01                   |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *60:01, *100:01 = *83:01, *100:01                                    |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *60:01, *81:01 = *81:01, *83:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *68:01, *80:01 = *80:01, *84:01                                      |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *08:01, *41:01:01 = *41:01:01, *84:01                                |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *08:01, *115:01 = *84:01, *115:01                                    |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *49:01, *115:01 = *51:01, *115:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *60:01, *99:01 = *83:01, *99:01                                      |
| +++++++  | -----     | -----     | -----  | -----  | -----  | *89:01, *118:01 = *90:01, *118:01 = *118:01, *118:01                 |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *60:01, *123:01 = *83:01, *123:01                                    |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *46:01, *60:01 = *46:01, *83:01                                      |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *41:01:01, *96:01 = *96:01, *115:01                                  |
| ---+---+ | +---+---+ | +---+---+ | -----  | -----  | -----  | *55:01, *109:01 = *55:01, *113:01                                    |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *23:01, *33:01 = *33:01, *71:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *23:01, *126:01 = *121:01, *138:01                                   |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *40:01, *60:01 = *40:01, *83:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *60:01, *126:01 = *83:01, *126:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *97:01, *97:01 = *97:01, *135:01 = *97:01, *140:01                   |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *08:01, *32:01 = *32:01, *84:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *77:01, *99:01 = *94:01, *99:01                                      |
| ---+---+ | ++++---+  | -----     | -----  | -----  | -----  | *33:01, *60:01 = *33:01, *83:01                                      |
| -----    | +---+---+ | +---+---+ | -----  | -----  | -----  | *30:01, *93:01 = *30:01, *137:01                                     |
| ++-----  | +---+---+ | -----     | -----  | -----  | -----  | *50:01, *77:01 = *50:01, *94:01                                      |
| -----    | +---+---+ | +---+---+ | -----  | -----  | -----  | *58:01, *109:01 = *58:01, *113:01                                    |
| -----    | +---+---+ | -----     | -----  | -----  | -----  | *63:01, *135:01 = *63:01, *140:01                                    |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *68:01, *71:01 = *75:01, *103:01                                     |
| -----    | +---+---+ | -----     | -----  | -----  | -----  | *60:01, *63:01 = *63:01, *83:01                                      |
| ---+---+ | +---+---+ | -----     | -----  | -----  | -----  | *68:01, *108:01 = *84:01, *108:01                                    |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

|                                                           |                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ +---+---+   | *28:01, *77:01 = *28:01, *94:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ +---+---+   | *31:01, *77:01 = *77:01, *102:01                                                  |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ +---+---+   | *34:01, *121:01 = *34:01, *134:01                                                 |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *14:01, *35:01:01 = *14:01, *35:01:02                                             |
| ---+---+ +---+---+ +---+---+ +---+---+ ---+---+ ---+---+  | *05:01:01, *05:01:01 = *05:01:01, *135:01 = *05:01:01, *140:01                    |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *02:02, *23:01 = *02:02, *71:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *02:01:02-02:01:03, 02:01:06, *103:01 = *16:01, *23:01                            |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *16:01, *60:01 = *16:01, *83:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *02:01:02-02:01:03, 02:01:06, *08:01 = *02:01:02-02:01:03,<br>02:01:06, *84:01    |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *10:01, *11:01:01 = *10:01, *11:01:02                                             |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *60:01 = *04:01:01:01, *83:01                                       |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *82:01 = *105:01, *128:01                                           |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *77:01 = *105:01, *134:01                                           |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *04:02:01:01 = *105:01, *126:01                                     |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *10:01, *27:01 = *10:01, *89:01                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ ---+---+ ---+---+  | *21:01, *27:01 = *21:01, *89:01                                                   |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *03:01:01, *104:01 = *104:01, *104:01                                             |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *03:01:01, *35:01:02 = *03:01:01, *132:01                                         |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *45:01, *68:01 = *45:01, *84:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *59:01, *68:01 = *59:01, *84:01                                                   |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *35:01:02, *50:01 = *50:01, *132:01                                               |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *40:01, *99:01 = *53:01, *99:01                                                   |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *100:01, *135:01 = *100:01, *140:01                                               |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *22:01, *135:01 = *22:01, *140:01                                                 |
| ---+---+ +---+---+ ---+---+ +---+---+ +---+---+ ---+---+  | *08:01, *81:01 = *81:01, *84:01                                                   |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *84:01, *135:01 = *84:01, *140:01                                                 |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *89:01, *122:01 = *90:01, *122:01                                                 |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *56:01, *56:01 = *56:01, *89:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *08:01, *141:01 = *84:01, *141:01                                                 |
| ---+---+ ---+---+ +---+---+ +---+---+ ---+---+ ---+---+   | *29:01, *44:01 = *44:01, *44:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *86:01, *86:01 = *86:01, *109:01 = *86:01, *113:01                                |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *08:01, *60:01 = *08:01, *83:01 = *41:01:01, *68:01                               |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *60:01, *106:01 = *83:01, *106:01                                                 |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *23:01, *28:01 = *28:01, *138:01                                                  |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *28:01, *68:01 = *28:01, *84:01                                                   |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *35:01:02, *124:01 = *124:01, *132:01                                             |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ +---+---+  | *77:01, *98:01 = *94:01, *98:01                                                   |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ +---+---+  | *94:01, *135:01 = *94:01, *140:01                                                 |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *08:01, *82:01 = *32:01, *68:01                                                   |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *30:01, *109:01 = *30:01, *113:01                                                 |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ +---+---+  | *45:01, *77:01 = *45:01, *94:01                                                   |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ +---+---+  | *35:01:02, *77:01 = *35:01:02, *94:01                                             |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ +---+---+  | *20:01:01, *77:01 = *20:01:01, *94:01                                             |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *54:01, *109:01 = *54:01, *113:01                                                 |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *63:01, *100:01 = *112:01, *135:01 = *112:01, *140:01                             |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *22:01, *63:01 = *103:01, *135:01 = *103:01, *140:01                              |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *37:01, *87:01 = *52:01, *93:01                                                   |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *62:01, *135:01 = *62:01, *140:01                                                 |
| ---+---+ +---+---+ ---+---+ +---+---+ +---+---+ +---+---+ | *34:01, *135:01 = *34:01, *140:01                                                 |
| ---+---+ ---+---+ +---+---+ +---+---+ ---+---+ ---+---+   | *09:01:01, *35:01:01 = *09:01:01, *35:01:02                                       |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *17:01, *17:01 = *17:01, *131:01                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ ---+---+ ---+---+  | *21:01, *135:01 = *21:01, *140:01                                                 |
| ---+---+ +---+---+ ---+---+ +---+---+ ---+---+ ---+---+   | *16:01, *135:01 = *16:01, *140:01                                                 |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *02:02, *60:01 = *02:02, *83:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *02:02, *84:01 = *02:02, *106:01                                                  |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *06:01, *11:01:01 = *06:01, *11:01:02                                             |
| ---+---+ +---+---+ +---+---+ ---+---+ ---+---+ ---+---+   | *04:02:01:01, *11:01:01 = *04:02:01:01, *11:01:02                                 |
| ---+---+ ---+---+ +---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *11:01:01 = *04:01:01:01, *11:01:02                                 |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *39:01, *60:01 = *39:01, *83:01                                                   |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *04:01:01:01, *80:01 = *39:01, *80:01                                             |
| ---+---+ +---+---+ ---+---+ ---+---+ ---+---+ ---+---+    | *02:01:02-02:01:03, 02:01:06, *39:01 = *04:01:01:01,<br>*115:01 = *39:01, *115:01 |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

## Lot No.: 25S

## Lot-specific information

|        |        |        |       |       |       |                                                                                      |
|--------|--------|--------|-------|-------|-------|--------------------------------------------------------------------------------------|
| ----   | ++++-- | -----  | ----- | ----- | ----- | *02:01:02-02:01:03, 02:01:06, *128:01 = *04:01:01:01, *32:01                         |
| ----   | -----  | ++++-- | ----- | ----- | ----- | *11:01:01, *20:01:01 = *11:01:01, *130:01                                            |
| +-+--+ | -----  | +-+--  | ----- | +-+-- | ----- | *13:01, *107:01 = *107:01, *107:01                                                   |
| ++++-- | -----  | +-+--  | ----- | ----- | ----- | *26:01:01, *26:01:01 = *26:01:01, *27:01 = *26:01:01, *89:01                         |
| ++++++ | -----  | -----  | ----- | ----- | ----- | *01:01:01, *65:01 = *01:01:01, *84:01                                                |
| +-+--  | -----  | ++++-- | ----- | ----- | ----- | *11:01:02, *20:01:01 = *11:01:02, *130:01                                            |
| -----  | -----  | ++++-- | ----- | ----- | ----- | *35:01:02, *68:01 = *35:01:02, *84:01                                                |
| -----  | -----  | ++++-- | ----- | ----- | ----- | *35:01:01, *119:01 = *119:01, *119:01                                                |
| -----  | -----  | ++++-- | ----- | ----- | ----- | *109:01, *131:01 = *113:01, *131:01                                                  |
| -----  | ++++   | -----  | ----- | ----- | ----- | *116:01, *135:01 = *116:01, *140:01                                                  |
| -----  | ++++   | -----  | ----- | ----- | ----- | *47:01, *135:01 = *47:01, *140:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *68:01, *135:01 = *68:01, *140:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *08:01, *11:01:01 = *08:01, *11:01:02                                                |
| -----  | ++++   | -----  | ----- | ----- | ----- | *68:01, *99:01 = *84:01, *99:01                                                      |
| ++++-- | -----  | ++++-- | ----- | ----- | ----- | *25:01, *35:01:02 = *25:01, *132:01                                                  |
| ++++-- | -----  | ++++-- | ----- | ----- | ----- | *68:01, *79:01 = *79:01, *84:01                                                      |
| ++++-- | -----  | ++++-- | ----- | ----- | ----- | *25:01, *68:01 = *25:01, *84:01                                                      |
| ++++++ | -----  | -----  | ----- | ----- | ----- | *68:01, *122:01 = *84:01, *122:01                                                    |
| ++++++ | -----  | -----  | ----- | ----- | ----- | *89:01, *127:01 = *90:01, *127:01 = *122:01, *127:01 = *127:01,<br>*127:01           |
| ++++-- | -----  | ++++-- | ----- | ----- | ----- | *61:01N, *92:01 = *92:01, *92:01                                                     |
| ++++-- | -----  | ++++-- | ----- | ----- | ----- | *56:01, *85:01 = *56:01, *125:01                                                     |
| -----  | ++++   | -----  | ----- | ----- | ----- | *08:01, *123:01 = *84:01, *123:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *60:01, *135:01 = *60:01, *140:01 = *83:01, *135:01 = *83:01,<br>*140:01             |
| -----  | ++++   | -----  | ----- | ----- | ----- | *22:01, *60:01 = *22:01, *83:01                                                      |
| -----  | ++++   | -----  | ----- | ----- | ----- | *60:01, *101:01 = *83:01, *101:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *08:01, *46:01 = *46:01, *84:01                                                      |
| -----  | ++++   | -----  | ----- | ----- | ----- | *46:01, *49:01 = *46:01, *51:01                                                      |
| ++++++ | -----  | -----  | ----- | ----- | ----- | *65:01, *118:01 = *84:01, *118:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *38:01, *60:01 = *38:01, *83:01                                                      |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *46:01, *64:01N = *64:01N, *115:01                                                   |
| -----  | ++++   | -----  | ----- | ----- | ----- | *23:01, *135:01 = *23:01, *140:01                                                    |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *35:01:01, *77:01 = *35:01:01, *94:01                                                |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *77:01, *91:01 = *91:01, *94:01                                                      |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *70:01, *77:01 = *70:01, *94:01                                                      |
| -----  | ++++   | -----  | ----- | ----- | ----- | *82:01, *97:01 = *82:01, *135:01 = *82:01, *140:01                                   |
| -----  | ++++   | -----  | ----- | ----- | ----- | *77:01, *135:01 = *77:01, *140:01                                                    |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *77:01, *130:01 = *94:01, *130:01                                                    |
| ++++   | ++++   | ++++   | ----- | ----- | ----- | *77:01, *79:01 = *79:01, *94:01                                                      |
| ++++   | ++++   | ++++   | ----- | ----- | ----- | *25:01, *77:01 = *25:01, *94:01                                                      |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *60:01, *97:01 = *83:01, *97:01                                                      |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *71:01, *135:01 = *71:01, *140:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *102:01, *135:01 = *102:01, *140:01                                                  |
| -----  | ++++   | -----  | ----- | ----- | ----- | *31:01, *135:01 = *31:01, *140:01                                                    |
| -----  | ++++   | -----  | ----- | ----- | ----- | *95:01, *135:01 = *95:01, *140:01                                                    |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *17:01, *93:01 = *17:01, *137:01 = *131:01, *137:01                                  |
| -----  | ++++   | -----  | ----- | ----- | ----- | *17:01, *109:01 = *17:01, *113:01                                                    |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *09:01:01, *109:01 = *09:01:01, *113:01                                              |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *105:01, *135:01 = *105:01, *140:01                                                  |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *04:02:01:01, *135:01 = *04:02:01:01, *140:01                                        |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *02:02, *135:01 = *02:02, *140:01                                                    |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *02:01:02-02:01:03, 02:01:06, *10:01 = *10:01, *141:01                               |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *06:01, *46:01 = *06:01, *115:01                                                     |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *106:01, *135:01 = *106:01, *140:01                                                  |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *05:01:01, *19:01 = *19:01, *135:01 = *19:01, *140:01                                |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *19:01, *60:01 = *19:01, *83:01                                                      |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *11:01:01, *62:01 = *11:01:02, *62:01                                                |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *02:01:02-02:01:03, 02:01:06, *11:01:01 = *02:01:02-02:01:03,<br>02:01:06, *11:01:02 |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *04:01:01:01, *108:01 = *39:01, *108:01                                              |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *02:01:02-02:01:03, 02:01:06, *96:01 = *39:01, *41:01:01                             |
| -----  | ++++   | ++++   | ----- | ----- | ----- | *18:01, *135:01 = *18:01, *140:01                                                    |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

## Lot No.: 25S

## Lot-specific information

|            |        |            |         |        |       |                                                                                  |
|------------|--------|------------|---------|--------|-------|----------------------------------------------------------------------------------|
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *03:01:01, *11:01:01 = *03:01:01, *11:01:02 = *11:01:01, *78:01                  |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *26:01:01, *85:01 = *26:01:01, *125:01                                           |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *13:01, *26:01:01 = *13:01, *27:01 = *13:01, *89:01                              |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *01:01:01, *26:01:01 = *26:01:01, *90:01                                         |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *01:01:01, *11:01:01 = *01:01:01, *11:01:02                                      |
| -----+     | ++-++- | -----++    | ++-++-  | -----+ | ----- | *135:01, *138:01 = *138:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *20:01:01, *68:01 = *20:01:01, *84:01                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *93:01, *135:01 = *93:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *129:01, *135:01 = *129:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *109:01, *135:01 = *109:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *101:01, *135:01 = *101:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *48:01, *135:01 = *48:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *35:01:01, *68:01 = *35:01:01, *84:01                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *68:01, *70:01 = *70:01, *84:01                                                  |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *68:01, *98:01 = *84:01, *98:01                                                  |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *75:01, *135:01 = *75:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *08:01, *135:01 = *08:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *24:01, *135:01 = *24:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *36:01, *135:01 = *36:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *89:01, *135:01 = *89:01, *140:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *25:01, *125:01 = *56:01, *79:01                                                 |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *80:01, *135:01 = *80:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *46:01, *86:01 = *86:01, *115:01                                                 |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *41:01:01, *135:01 = *41:01:01, *140:01                                          |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *115:01, *135:01 = *115:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *49:01, *135:01 = *49:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *60:01, *65:01 = *65:01, *83:01                                                  |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *96:01, *135:01 = *96:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *32:01, *97:01 = *32:01, *135:01 = *32:01, *140:01                               |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *77:01, *132:01 = *94:01, *132:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *77:01, *122:01 = *94:01, *122:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *61:01N, *77:01 = *61:01N, *94:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *77:01, *124:01 = *94:01, *124:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *77:01, *111:01 = *94:01, *111:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *77:01, *104:01 = *94:01, *104:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *58:01, *135:01 = *58:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *57:01, *135:01 = *57:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *73:01, *135:01 = *73:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *87:01, *135:01 = *87:01, *140:01                                                |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *25:01, *112:01 = *52:01, *116:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *108:01, *135:01 = *108:01, *140:01                                              |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *14:01, *77:01 = *14:01, *94:01                                                  |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *05:01:01, *60:01 = *05:01:01, *83:01                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *02:01:02-02:01:03, 02:01:06, *135:01 = *02:01:02-02:01:03,<br>02:01:06, *140:01 |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *14:01, *68:01 = *14:01, *84:01                                                  |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *11:01:01, *34:01 = *11:01:02, *34:01                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *15:01, *135:01 = *15:01, *140:01                                                |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *11:01:01, *135:01 = *11:01:01, *140:01                                          |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *02:02, *11:01:01 = *02:02, *11:01:02                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *11:01:01, *19:01 = *11:01:02, *19:01                                            |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *04:01:01:01, *46:01 = *39:01, *46:01                                            |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *03:01:01, *105:01 = *105:01, *124:01                                            |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *03:01:01, *77:01 = *03:01:01, *94:01                                            |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *03:01:01, *68:01 = *03:01:01, *84:01                                            |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *11:01:01, *104:01 = *11:01:02, *104:01                                          |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *13:01, *85:01 = *26:01:01, *110:01                                              |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *26:01:01, *133:01 = *27:01, *133:01                                             |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *26:01:01, *107:01 = *27:01, *107:01                                             |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *01:01:01, *13:01 = *13:01, *90:01                                               |
| +++++----- | -----+ | +++++----- | -----++ | -----  | ----- | *01:01:01, *79:01 = *26:01:01, *122:01                                           |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *11:01:02, *135:01 = *11:01:02, *140:01                                          |
| -----+     | ++-++- | +++++----- | ++-++-  | -----+ | ----- | *59:01, *135:01 = *59:01, *140:01                                                |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

## Lot No.: 25S

## Lot-specific information

|                                                            |                                                                                                                      |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *53:01, *135:01 = *53:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *74:01, *135:01 = *74:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *40:01, *135:01 = *40:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *91:01, *119:01 = *98:01, *119:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *113:01, *135:01 = *113:01, *140:01                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *91:01 = *84:01, *91:01                                                                                      |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *51:01, *135:01 = *51:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *130:01 = *84:01, *130:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *25:01, *88:01 = *29:01, *79:01                                                                                      |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *132:01 = *84:01, *132:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *65:01, *127:01 = *68:01, *127:01 = *84:01, *127:01                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *61:01N, *68:01 = *61:01N, *84:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *61:01N, *76:01 = *76:01, *92:01                                                                                     |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *56:01, *61:01N = *56:01, *92:01 = *89:01, *92:01                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *70:01, *114:01 = *114:01, *124:01                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *124:01 = *84:01, *124:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *69:01, *135:01 = *69:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *46:01, *131:01 = *115:01, *131:01                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *117:01, *135:01 = *117:01, *140:01                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *38:01, *120:01N = *120:01N, *135:01 = *120:01N, *140:01                                                             |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *111:01 = *84:01, *111:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *51:01, *118:01 = *120:01N, *122:01                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *55:01, *135:01 = *55:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *104:01 = *84:01, *104:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *77:01, *119:01 = *94:01, *119:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *97:01, *128:01 = *128:01, *135:01 = *128:01, *140:01                                                                |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *77:01, *78:01 = *78:01, *94:01                                                                                      |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *38:01, *128:01 = *97:01, *120:01N                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *30:01, *135:01 = *30:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *54:01, *135:01 = *54:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *67:01, *135:01 = *67:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *72:01, *135:01 = *72:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *134:01, *135:01 = *134:01, *140:01                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *17:01, *35:01:01 = *17:01, *35:01:02                                                                                |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *10:01, *135:01 = *10:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *17:01, *105:01 = *105:01, *131:01                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *02:01:02-02:01:03, 02:01:06, *17:01 = *02:01:02-02:01:03,<br>02:01:06, *131:01 = *17:01, *141:01 = *131:01, *141:01 |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *09:01:01, *11:01:01 = *09:01:01, *11:01:02                                                                          |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *05:01:01, *11:01:01 = *05:01:01, *11:01:02                                                                          |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *39:01, *135:01 = *39:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *04:01:01:01, *135:01 = *04:01:01:01, *140:01                                                                        |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *09:01:01, *27:01 = *09:01:01, *89:01                                                                                |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *27:01, *135:01 = *27:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *03:01:01, *64:01N = *06:01, *111:01                                                                                 |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *03:01:01, *76:01 = *14:01, *92:01                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *03:01:01, *85:01 = *27:01, *61:01N                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *26:01:01, *35:01:02 = *26:01:01, *132:01                                                                            |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *26:01:01, *65:01 = *26:01:01, *84:01                                                                                |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *45:01, *135:01 = *45:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *126:01, *135:01 = *126:01, *140:01                                                                                  |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *50:01, *135:01 = *50:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *40:01, *127:01 = *53:01, *127:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *81:01, *135:01 = *81:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *65:01, *135:01 = *65:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *37:01, *135:01 = *37:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *25:01, *119:01 = *79:01, *119:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *68:01, *78:01 = *78:01, *84:01                                                                                      |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *66:01, *135:01 = *66:01, *140:01                                                                                    |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *61:01N, *122:01 = *92:01, *122:01                                                                                   |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *56:01, *132:01 = *61:01N, *125:01 = *92:01, *125:01                                                                 |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *61:01N, *90:01 = *90:01, *92:01                                                                                     |
| ---+---+ +---+---+ +---+---+ +---+---+ +---+---+ +---+---+ | *29:01, *114:01 = *44:01, *114:01                                                                                    |

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

|           |          |          |          |          |          |                                                                                   |
|-----------|----------|----------|----------|----------|----------|-----------------------------------------------------------------------------------|
| ++-----+  | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *114:01, *135:01 = *114:01, *140:01                                               |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *46:01, *135:01 = *46:01, *140:01                                                 |
| ---+----- | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *49:01, *86:01 = *51:01, *86:01                                                   |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *123:01, *135:01 = *123:01, *140:01                                               |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *28:01, *135:01 = *28:01, *140:01                                                 |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *33:01, *135:01 = *33:01, *140:01                                                 |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *121:01, *135:01 = *121:01, *140:01                                               |
| -----++   | +++++--  | -----++  | +++++--  | -----++  | -----++  | *85:01, *135:01 = *85:01, *140:01                                                 |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *35:01:02, *56:01 = *85:01, *92:01                                                |
| +++++--   | +-----++ | -----++  | -----++  | -----++  | +-----++ | *77:01, *127:01 = *94:01, *127:01                                                 |
| ---+----- | +-----++ | +++++--  | -----++  | -----++  | +-----++ | *76:01, *77:01 = *76:01, *94:01                                                   |
| +++++--   | +-----++ | +++++--  | -----++  | -----++  | +-----++ | *77:01, *92:01 = *92:01, *94:01                                                   |
| +++++--   | +-----++ | +-----++ | -----++  | +-----++ | +-----++ | *30:01, *107:01 = *30:01, *133:01                                                 |
| +++++--   | +-----++ | +-----++ | +-----++ | -----++  | +-----++ | *52:01, *135:01 = *52:01, *140:01                                                 |
| +-----++  | +-----++ | +++++--  | +-----++ | -----++  | +-----++ | *44:01, *55:01 = *44:01, *58:01                                                   |
| -----++   | +-----++ | +++++--  | +-----++ | +-----++ | -----++  | *09:01:01, *91:01 = *14:01, *131:01                                               |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *06:01, *135:01 = *06:01, *140:01                                                 |
| -----++   | +++++--  | +-----++ | +-----++ | -----++  | -----++  | *17:01, *46:01 = *17:01, *115:01                                                  |
| -----++   | +++++--  | +-----++ | +-----++ | -----++  | -----++  | *02:01:02-02:01:03, *02:01:06, *09:01:01 = *09:01:01, *141:01                     |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *17:01, *27:01 = *17:01, *89:01                                                   |
| +-----++  | +-----++ | +-----++ | -----++  | +-----++ | -----++  | *13:01, *105:01 = *105:01, *133:01                                                |
| +-----++  | -----++  | +-----++ | -----++  | +-----++ | -----++  | *13:01, *39:01 = *39:01, *133:01                                                  |
| +-----++  | -----++  | +-----++ | -----++  | +-----++ | -----++  | *04:01:01:01, *13:01 = *04:01:01:01, *133:01                                      |
| +-----++  | +++++--  | +++++--  | -----++  | -----++  | -----++  | *02:01:02-02:01:03, *02:01:06, *03:01:01 = *02:01:02-02:01:03, *02:01:06, *124:01 |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *03:01:01, *39:01 = *39:01, *124:01                                               |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *03:01:01, *04:01:01:01 = *04:01:01:01, *124:01                                   |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *03:01:01, *125:01 = *27:01, *92:01                                               |
| +++++--   | -----++  | +-----++ | -----++  | -----++  | -----++  | *01:01:01, *35:01:02 = *01:01:01, *132:01                                         |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *35:01:02, *135:01 = *35:01:02, *140:01                                           |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *20:01:01, *135:01 = *20:01:01, *140:01                                           |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *98:01, *135:01 = *98:01, *140:01                                                 |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *70:01, *135:01 = *70:01, *140:01                                                 |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *68:01, *119:01 = *84:01, *119:01                                                 |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *99:01, *135:01 = *99:01, *140:01                                                 |
| +++++--   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *79:01, *135:01 = *79:01, *140:01                                                 |
| +++++--   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *25:01, *135:01 = *25:01, *140:01                                                 |
| +++++--   | +-----++ | -----++  | +-----++ | -----++  | -----++  | *90:01, *135:01 = *90:01, *140:01                                                 |
| ---+----- | -----++  | +++++--  | -----++  | +-----++ | -----++  | *68:01, *76:01 = *76:01, *84:01                                                   |
| ---+----- | -----++  | +-----++ | +-----++ | -----++  | -----++  | *125:01, *135:01 = *125:01, *140:01                                               |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *68:01, *92:01 = *84:01, *92:01                                                   |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *38:01, *64:01N = *64:01N, *135:01 = *64:01N, *140:01                             |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *61:01N, *118:01 = *92:01, *118:01                                                |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *02:02, *17:01 = *02:02, *131:01                                                  |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *17:01, *39:01 = *39:01, *131:01                                                  |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *04:01:01:01, *86:01 = *39:01, *86:01                                             |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *04:01:01:01, *17:01 = *04:01:01:01, *131:01                                      |
| +-----++  | +++++--  | +-----++ | -----++  | +-----++ | -----++  | *02:01:02-02:01:03, *02:01:06, *13:01 = *02:01:02-02:01:03, *02:01:06, *133:01    |
| +++++--   | +-----++ | +++++--  | -----++  | -----++  | -----++  | *02:02, *03:01:01 = *02:02, *124:01                                               |
| +++++--   | -----++  | +++++--  | -----++  | +-----++ | -----++  | *03:01:01, *133:01 = *13:01, *124:01                                              |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *26:01:01, *61:01N = *26:01:01, *92:01                                            |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *01:01:01, *61:01N = *01:01:01, *92:01                                            |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *01:01:01, *111:01 = *03:01:01, *118:01                                           |
| +++++--   | +-----++ | -----++  | +-----++ | -----++  | -----++  | *01:01:01, *135:01 = *01:01:01, *140:01                                           |
| -----++   | +-----++ | +-----++ | +-----++ | -----++  | -----++  | *35:01:01, *135:01 = *35:01:01, *140:01                                           |
| -----++   | +-----++ | +++++--  | +-----++ | +-----++ | -----++  | *91:01, *135:01 = *91:01, *140:01                                                 |
| -----++   | +-----++ | +++++--  | +-----++ | -----++  | -----++  | *130:01, *135:01 = *130:01, *140:01                                               |
| +++++--   | +-----++ | -----++  | +-----++ | -----++  | -----++  | *122:01, *135:01 = *122:01, *140:01                                               |
| +-----++  | +-----++ | +-----++ | +-----++ | +-----++ | -----++  | *110:01, *135:01 = *110:01, *140:01                                               |
| +++++--   | -----++  | +++++--  | -----++  | -----++  | -----++  | *61:01N, *127:01 = *92:01, *127:01                                                |
| +++++--   | +-----++ | -----++  | +-----++ | -----++  | -----++  | *38:01, *118:01 = *118:01, *135:01 = *118:01, *140:01                             |
| -----++   | +-----++ | +++++--  | +-----++ | +-----++ | -----++  | *14:01, *135:01 = *14:01, *140:01                                                 |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

## Lot No.: 25S

## Lot-specific information

|           |         |         |          |       |          |                                                                                 |
|-----------|---------|---------|----------|-------|----------|---------------------------------------------------------------------------------|
| -----+    | +++++-- | ++----- | ++++++-- | ----- | -----    | *131:01, *135:01 = *131:01, *140:01                                             |
| -----+    | +++++-- | ++----- | ++++++-- | ----- | -----+   | *17:01, *106:01 = *106:01, *131:01                                              |
| --++----- | +++-+-- | ++----- | ++++++-- | ----- | +-----+  | *17:01, *134:01 = *131:01, *134:01                                              |
| +--+----- | +++++-- | ++----- | ++++++-- | ----- | -----    | *13:01, *135:01 = *13:01, *140:01                                               |
| +--+----- | +++++-- | ++----- | ++++++-- | ----- | -----+   | *02:02, *13:01 = *02:02, *133:01                                                |
| +--+----- | +++++-- | ++----- | ++++++-- | ----- | -----+   | *13:01, *106:01 = *106:01, *133:01                                              |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----+   | *03:01:01, *17:01 = *17:01, *124:01                                             |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *03:01:01, *135:01 = *03:01:01, *140:01                                         |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----+   | *03:01:01, *106:01 = *106:01, *124:01                                           |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | --+----- | *03:01:01, *19:01 = *19:01, *104:01                                             |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *01:01:01, *64:01N = *06:01, *118:01                                            |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *88:01, *135:01 = *88:01, *140:01                                               |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *132:01, *135:01 = *132:01, *140:01                                             |
| +-----    | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *29:01, *135:01 = *29:01, *140:01                                               |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *127:01, *135:01 = *127:01, *140:01                                             |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *61:01N, *135:01 = *61:01N, *140:01                                             |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *56:01, *135:01 = *56:01, *140:01                                               |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *61:01N, *65:01 = *65:01, *92:01                                                |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *44:01, *135:01 = *44:01, *140:01                                               |
| -----     | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *86:01, *135:01 = *86:01, *140:01                                               |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *38:01, *111:01 = *111:01, *135:01 = *111:01, *140:01                           |
| +--+----- | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *133:01, *135:01 = *133:01, *140:01                                             |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *124:01, *135:01 = *124:01, *140:01                                             |
| -----     | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *17:01, *135:01 = *17:01, *140:01                                               |
| -----     | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *09:01:01, *135:01 = *09:01:01, *140:01                                         |
| +--+----- | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *13:01, *17:01 = *17:01, *133:01 = *131:01, *133:01                             |
| +--+----- | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *107:01, *135:01 = *107:01, *140:01                                             |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *03:01:01, *05:01:01 = *05:01:01, *104:01 = *104:01, *135:01 = *104:01, *140:01 |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *19:01, *124:01 = *104:01, *106:01                                              |
| +++++--   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *26:01:01, *135:01 = *26:01:01, *140:01                                         |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *78:01, *135:01 = *78:01, *140:01                                               |
| -----     | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *119:01, *135:01 = *119:01, *140:01                                             |
| -----     | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *76:01, *135:01 = *76:01, *140:01                                               |
| ++-----   | +++-+-- | +++++-- | ++++++-- | ----- | -----    | *92:01, *135:01 = *92:01, *140:01                                               |

\*01:01:01 = \*01:01:01-01:01:03

\*02:01:02 = \*02:01:02, 02:01:04-02:01:05 and 02:01:07-02:01:08

\*03:01:01 = \*03:01:01-03:01:02

\*04:01:01:01 = \*04:01:01:01-04:01:03

\*04:02:01:01 = 04:02:01:01-04:02:01:02

\*05:01:01 = \*05:01:01-05:01:02

\*09:01:01 = \*09:01:01-09:01:02

\*20:01:01 = \*20:01:01-20:01:02

\*26:01:01 = \*26:01:01-26:01:02

\*41:01:01 = \*41:01:01-41:01:02

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

## SPECIFICITY TABLE

### DPB1 SSP typing

Specificities and sizes of the PCR products of the 48 primer mixes used for DPB1 SSP typing<sup>3</sup>

| Primer Mix             | Size of spec. PCR product <sup>1</sup> | Size of control band <sup>2</sup> | Amplified DPB1 alleles <sup>3</sup>                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>               | 245 bp                                 | <b>515 bp</b>                     | *01:01:01-01:01:03, 03:01:01-03:01:02, 13:01, 25:01, 26:01:01-26:01:02, 29:01, 37:01, 44:01, 50:01, 52:01, 56:01, 61:01N, 78:01, 79:01, 88:01, 90:01, 92:01, 104:01, 107:01, 110:01, 111:01, 114:01, 118:01, 122:01, 124:01, 127:01, 132:01, 133:01                                                            |
| <b>2</b>               | 220 bp                                 | <b>515 bp</b>                     | *01:01:01-01:01:03, 03:01:01-03:01:02, 18:01, 20:01:01-20:01:02, 25:01, 26:01:01-26:01:02, 27:01, 36:01, 50:01, 52:01, 56:01, 61:01N, 78:01, 79:01, 85:01, 87:01, 89:01, 90:01, 92:01, 104:01, 111:01, 114:01, 118:01, 122:01, 124:01, 127:01, 130:01, 132:01                                                  |
| <b>3<sup>4-6</sup></b> | 100 bp                                 | 430 bp                            | *01:01:01-01:01:03, 04:01:01:01-04:01:03, 11:01:01-11:01:02, 13:01, 15:01, 26:01:01-26:01:02, 27:01, 31:01, 33:01, 39:01, 40:01, 56:01, 65:01, 66:01, 72:01, 74:01, 85:01, 89:01, 90:01, 96:01, 99:01, 102:01, 107:01, 110:01, 117:01, 118:01, 120:01N, 121:01, 125:01, 126:01, 127:01, 128:01, 133:01, 134:01 |
| <b>4</b>               | 140 bp                                 | 430 bp                            | *01:01:01-01:01:03, 04:01:01:01-04:01:03, 24:01, 26:01:01-26:01:02, 27:01, 28:01, 39:01, 40:01, 49:01, 51:01, 53:01, 56:01, 65:01, 66:01, 72:01, 76:01, 85:01, 89:01, 90:01, 92:01, 96:01, 99:01, 102:01, 118:01, 120:01N, 121:01, 122:01, 125:01, 126:01, 127:01, 128:01, 134:01, 139:01                      |
| <b>5</b>               | 235 bp                                 | <b>515 bp</b>                     | *01:01:01-01:01:03, 08:01, 19:01, 50:01, 57:01, 65:01, 68:01, 73:01, 75:01, 84:01, 90:01, 106:01, 118:01, 122:01, 127:01                                                                                                                                                                                       |
| <b>6</b>               | 165 bp                                 | 430 bp                            | *01:01:01-01:01:03, 13:01, 26:01:01-26:01:02, 65:01, 107:01, 118:01, 122:01, 127:01, 133:01                                                                                                                                                                                                                    |
| <b>7</b>               | 160 bp                                 | 430 bp                            | *01:01:01-01:01:03, 13:01, 26:01:01-26:01:02, 56:01, 65:01, 76:01, 90:01, 92:01, 107:01, 110:01, 118:01, 122:01, 125:01, 127:01, 133:01                                                                                                                                                                        |
| <b>8</b>               | 210 bp                                 | <b>515 bp</b>                     | *02:01:02-02:02, 04:01:01:01-04:02:01:02, 05:01:01-05:01:02, 08:01, 16:01, 19:01, 22:01, 23:01, 24:01, 32:01, 33:01, 38:01, 39:01, 40:01, 46:01, 47:01, 48:01, 49:01, 51:01, 53:01, 60:01, 62:01, 63:01, 65:01, 68:01, 71:01, 75:01, 77:01, 80:01, 81:01, 82:01, 84:01, 94:01,                                 |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|                           |                             |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                             |               | 96:01, 97:01, 99:01, 100:01, 101:01, 103:01, 105:01, 106:01, 112:01, 115:01, 116:01, 120:01N, 121:01, 123:01, 126:01, 128:01, 134:01, 135:01, 138:01, 140:01, 141:01                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>9<sup>5</sup></b>      | 165 bp                      | 430 bp        | *02:01:02-02:01:05, 02:01:06 <sup>w</sup> , 02:01:07-02:02, 04:02:01:01-04:02:01:02, 05:01:01-05:01:02, 06:01, 16:01, 17:01, 18:01, 19:01, 20:01:01-20:01:02, 21:01, 22:01, 23:01, 30:01, 32:01, 34:01, 36:01, 38:01, 41:01:01-41:01:02, 46:01, 47:01, 48:01, 55:01, 58:01, 59:01, 60:01, 62:01, 63:01, 64:01N, 69:01, 71:01, 77:01, 80:01, 82:01, 83:01, 86:01, 87:01, 91:01, 93:01, 94:01, 95:01, 97:01, 98:01, 100:01, 101:01, 103:01, 105:01, 106:01, 108:01, 109:01, 112:01, 113:01, 115:01, 116:01, 123:01, 129:01, 130:01, 131:01, 135:01, 136:01, 137:01, 138:01, 140:01, 141:01 |
| <b>10</b>                 | 220 bp                      | <b>515 bp</b> | *02:01:02-02:02, 08:01, 16:01, 19:01, 22:01, 32:01, 33:01, 41:01:01-41:01:02, 46:01, 47:01, 48:01, 71:01, 81:01, 95:01, 101:01, 103:01, 106:01, 115:01, 123:01, 141:01                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>11</b>                 | 185 bp                      | <b>515 bp</b> | *02:01:02-02:01:08, 04:01:01:01-04:02:01:02, 23:01, 24:01, 32:01, 33:01, 41:01:01-41:01:02, 46:01, 47:01, 51:01, 59:01, 60:01, 66:01, 71:01, 72:01, 73:01, 75:01, 77:01, 80:01, 81:01, 82:01, 83:01, 86:01, 94:01, 99:01, 105:01, 108:01, 109:01, 113:01, 115:01, 119:01, 120:01N, 121:01, 123:01, 126:01, 128:01, 129:01, 134:01, 138:01, 141:01                                                                                                                                                                                                                                        |
| <b>12<sup>4</sup></b>     | 80 bp                       | <b>515 bp</b> | *02:01:02, 02:01:03 <sup>w</sup> , 02:01:04-02:01:08, 06:01, 08:01, 09:01:01-09:01:02, 10:01, 16:01, 17:01, 29:01, 32:01, 37:01, 41:01:01-41:01:02, 44:01, 46:01, 48:01, 64:01N, 81:01, 86:01, 88:01, 93:01, 109:01, 113:01, 115:01, 123:01, 131:01, 137:01, 141:01                                                                                                                                                                                                                                                                                                                      |
| <b>13</b>                 | 180 bp                      | 430 bp        | *02:02, 05:01:01-05:01:02, 19:01, 22:01, 24:01, 38:01, 47:01, 97:01, 100:01, 101:01, 106:01, 135:01, 139:01, 140:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>14<sup>4,8</sup></b>   | 105 bp,<br>175 bp           | 430 bp        | *02:02, 05:01:01-05:01:02, 21:01, 22:01, 30:01, 36:01, 38:01, 54:01, 97:01, 100:01, 101:01, 114:01, 135:01, 140:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>15</b>                 | 200 bp                      | 430 bp        | *02:02, 48:01, 95:01, 99:01, 100:01, 101:01, 112:01, 116:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>16<sup>4-6,9</sup></b> | 80 bp,<br>165 bp,<br>210 bp | 430 bp        | *03:01:01-03:01:02, 04:02:01:01-04:02:01:02, 14:01, 18:01, 20:01:01-20:01:02, 25:01, 28:01, 35:01:01-35:01:02, 45:01, 49:01, 50:01, 51:01, 53:01, 57:01, 59:01, 60:01, 61:01N, 68:01, 70:01, 73:01, 75:01, 76:01, 77:01, 78:01, 79:01, 80:01, 82:01, 83:01, 91:01,                                                                                                                                                                                                                                                                                                                       |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|                        |                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |                   |               | 92:01, 98:01, 99:01, 104:01, 105:01, 108:01, 111:01, 116:01, 119:01, 122:01, 124:01, 127:01, 129:01, 130:01, 132:01                                                                                                                                                                                                                                                                                                                                                               |
| <b>17</b>              | 260 bp            | <b>515 bp</b> | *03:01:01-03:01:02, 06:01, 09:01:01-09:01:02, 10:01, 11:01:01-11:01:02, 13:01, 14:01, 17:01, 20:01:01-20:01:02, 21:01, 25:01, 26:01:01-26:01:02, 27:01, 29:01, 30:01, 35:01:01-35:01:02, 36:01, 37:01, 44:01, 45:01, 52:01, 54:01, 55:01, 56:01, 58:01, 61:01N, 64:01N, 67:01, 69:01, 70:01, 76:01, 78:01, 79:01, 85:01, 87:01, 88:01, 91:01, 92:01, 93:01, 98:01, 104:01, 107:01, 110:01, 111:01, 114:01, 119:01, 124:01, 125:01, 130:01, 131:01, 132:01, 133:01, 136:01, 137:01 |
| <b>18</b>              | 180 bp            | 430 bp        | *03:01:01-03:01:02, 06:01, 09:01:01-09:01:02, 14:01, 17:01, 20:01:01-20:01:02, 29:01, 35:01:01-35:01:02, 44:01, 61:01N, 64:01N, 69:01, 70:01, 76:01, 78:01, 86:01, 88:01, 91:01, 92:01, 98:01, 104:01, 111:01, 119:01, 124:01, 130:01, 131:01, 132:01                                                                                                                                                                                                                             |
| <b>19</b>              | 200 bp            | 430 bp        | *03:01:01-03:01:02, 06:01, 11:01:01-11:01:02, 14:01, 20:01:01-20:01:02, 25:01, 29:01, 44:01, 45:01, 52:01, 56:01, 61:01N, 64:01N, 67:01, 69:01, 70:01, 74:01, 76:01, 78:01, 87:01, 91:01, 92:01, 104:01, 111:01, 114:01, 119:01, 124:01, 130:01, 136:01                                                                                                                                                                                                                           |
| <b>20</b>              | 235 bp            | <b>515 bp</b> | *03:01:01-03:01:02, 09:01:01-09:01:02, 10:01, 13:01, 14:01, 25:01, 26:01:01-26:01:02, 29:01, 35:01:01-35:01:02, 37:01, 44:01, 45:01, 52:01, 54:01, 56:01, 61:01N, 67:01, 70:01, 76:01, 78:01, 79:01, 88:01, 92:01, 104:01, 107:01, 110:01, 111:01, 114:01, 119:01, 124:01, 125:01, 132:01, 133:01                                                                                                                                                                                 |
| <b>21<sup>4</sup></b>  | 100 bp            | 430 bp        | *03:01:01-03:01:02, 09:01:01-09:01:02, 14:01, 29:01, 35:01:01-35:01:02, 44:01, 50:01, 57:01, 61:01N, 70:01, 76:01, 78:01, 88:01, 92:01, 104:01, 111:01, 119:01, 124:01, 132:01                                                                                                                                                                                                                                                                                                    |
| <b>22</b>              | 185 bp            | 430 bp        | *04:01:01:01-04:01:03, 24:01, 33:01, 39:01, 49:01, 51:01, 66:01, 72:01, 81:01, 96:01, 99:01, 117:01, 120:01N, 121:01, 126:01, 128:01, 134:01                                                                                                                                                                                                                                                                                                                                      |
| <b>23<sup>10</sup></b> | 145 bp,<br>210 bp | 430 bp        | *05:01:01-05:01:02, 34:01, 36:01, 38:01, 62:01, 63:01, 97:01, 100:01, 112:01, 114:01, 116:01, 127:01, 135:01, 140:01                                                                                                                                                                                                                                                                                                                                                              |
| <b>24<sup>11</sup></b> | 195 bp,<br>265 bp | <b>515 bp</b> | *05:01:01-05:01:02, 08:01, 16:01, 19:01, 22:01, 31:01, 38:01, 57:01, 63:01, 65:01, 68:01, 84:01, 97:01, 101:01, 102:01, 103:01, 106:01, 135:01, 140:01                                                                                                                                                                                                                                                                                                                            |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|                            |                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|-------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>25<sup>12</sup></b>     | 190 bp,<br>265 bp | <b>515 bp</b> | *05:01:01-05:01:02, 21:01, 22:01, 36:01, 38:01, 44:01, 58:01, 63:01, 70:01, 97:01, 114:01, 135:01, 140:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>26<sup>4,6,13</sup></b> | 75 bp,<br>205 bp  | <b>515 bp</b> | *06:01, 09:01:01-09:01:02, 17:01, 29:01, 44:01, 46:01, 64:01N, 86:01, 88:01, 101:01, 123:01, 131:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>27<sup>4,5</sup></b>    | 95 bp             | 430 bp        | *06:01, 17:01, 20:01:01-20:01:02, 46:01, 64:01N, 69:01, 80:01, 86:01, 91:01, 98:01, 108:01, 130:01, 131:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>28<sup>14</sup></b>     | 200 bp,<br>260 bp | 430 bp        | *09:01:01-09:01:02, 10:01, 13:01, 17:01, 21:01, 26:01:01-26:01:02, 27:01, 30:01, 35:01:01-35:01:02, 36:01, 37:01, 54:01, 55:01, 58:01, 66:01, 79:01, 85:01, 86:01, 88:01, 93:01, 98:01, 107:01, 109:01, 110:01, 113:01, 117:01, 119:01, 125:01, 129:01, 131:01, 132:01, 133:01, 137:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>29<sup>4,15</sup></b>   | 105 bp,<br>220 bp | <b>515 bp</b> | *09:01:01-09:01:02, 10:01, 17:01, 30:01, 54:01, 55:01, 58:01, 86:01, 113:01, 131:01, 137:01, 141:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>30</b>                  | 185 bp            | 430 bp        | *09:01:01-09:01:02, 14:01, 17:01, 35:01:01, 76:01, 86:01, 91:01, 98:01, 119:01, 131:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>31<sup>4,6</sup></b>    | 120 bp            | 430 bp        | *01:01:01-01:01:03, 05:01:01-05:01:02, 08:01, 10:01, 11:01:01-11:01:02, 13:01, 16:01, 19:01, 21:01, 22:01, 25:01, 26:01:01-26:01:02, 27:01, 30:01, 31:01, 36:01, 37:01, 38:01, 45:01, 52:01, 54:01, 55:01, 56:01, 58:01, 63:01, 65:01, 67:01, 68:01, 79:01, 84:01, 85:01, 87:01, 89:01, 90:01, 93:01, 97:01, 102:01, 103:01, 106:01, 107:01, 110:01, 114:01, 118:01, 122:01, 125:01, 127:01, 133:01, 135:01, 136:01, 137:01, 140:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>32<sup>4,7,16</sup></b> | 75 bp,<br>200 bp  | 430 bp        | *11:01:01-11:01:02, 78:01, 130:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>33<sup>17</sup></b>     | 140 bp,<br>205 bp | 430 bp        | *13:01, 33:01, 81:01, 107:01, 110:01, 117:01, 123:01, 133:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>34</b>                  | 210 bp            | 430 bp        | *14:01, 45:01, 67:01, 76:01, 91:01, 119:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>35</b>                  | 195 bp            | 430 bp        | *15:01, 74:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>36</b>                  | 260 bp            | <b>515 bp</b> | *15:01, 18:01, 28:01, 34:01, 40:01, 53:01, 62:01, 139:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>37<sup>18</sup></b>     | 185 bp,<br>255 bp | 430 bp        | *04:02:01:01-04:02:01:02, 08:01 <sup>?</sup> , 15:01, 22:01 <sup>?</sup> , 24:01 <sup>?</sup> , 25:01 <sup>?</sup> , 28:01, 29:01 <sup>?</sup> , 31:01 <sup>?</sup> , 32:01 <sup>?</sup> , 34:01 <sup>?</sup> , 35:01:01 <sup>?</sup> , 36:01 <sup>?</sup> , 37:01 <sup>?</sup> , 38:01 <sup>?</sup> , 40:01, 41:01:01 <sup>?</sup> -41:01:02 <sup>?</sup> , 44:01 <sup>?</sup> , 46:01 <sup>?</sup> , 47:01 <sup>?</sup> , 48:01 <sup>?</sup> , 49:01 <sup>?</sup> , 51:01 <sup>?</sup> , 52:01 <sup>?</sup> , 53:01, 54:01 <sup>?</sup> , 56:01 <sup>?</sup> , 57:01 <sup>?</sup> , 58:01 <sup>?</sup> , 59:01, 60:01 <sup>?</sup> , 61:01N <sup>?</sup> , 62:01 <sup>?</sup> , 63:01 <sup>?</sup> , 64:01N <sup>?</sup> , 65:01 <sup>?</sup> , 66:01 <sup>?</sup> , 67:01 <sup>?</sup> , 68:01 <sup>?</sup> , 69:01 <sup>?</sup> , 70:01 <sup>?</sup> , 71:01 <sup>?</sup> , 72:01 <sup>?</sup> , 73:01 <sup>?</sup> , 74:01, 75:01 <sup>?</sup> , 76:01 <sup>?</sup> , 77:01 <sup>?</sup> , 78:01 <sup>?</sup> , 79:01 <sup>?</sup> , 80:01 <sup>?</sup> , 81:01 <sup>?</sup> , 82:01 <sup>?</sup> , 83:01 <sup>?</sup> , 84:01 <sup>?</sup> , 86:01 <sup>?</sup> , 87:01 <sup>?</sup> , 89:01 <sup>?</sup> , 90:01 <sup>?</sup> , 91:01 <sup>?</sup> , 92:01 <sup>?</sup> , 93:01 <sup>?</sup> , 94:01 <sup>?</sup> , |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|                            |                                         |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|-----------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |                                         |               | 95:01 <sup>?</sup> , 96:01 <sup>?</sup> , 97:01 <sup>?</sup> , 98:01 <sup>?</sup> , 99:01 <sup>?</sup> , 100:01 <sup>?</sup> ,<br>101:01 <sup>?</sup> , 102:01 <sup>?</sup> , 103:01 <sup>?</sup> , 108:01 <sup>?</sup> , 109:01 <sup>?</sup> , 110:01 <sup>?</sup> ,<br>111:01 <sup>?</sup> , 112:01 <sup>?</sup> , 113:01 <sup>?</sup> , 114:01 <sup>?</sup> , 115:01 <sup>?</sup> , 116:01 <sup>?</sup> ,<br>117:01 <sup>?</sup> , 118:01 <sup>?</sup> , 119:01 <sup>?</sup> , 120:01N <sup>?</sup> , 122:01 <sup>?</sup> , 125:01 <sup>?</sup> ,<br>126:01, 127:01 <sup>?</sup> , 128:01 <sup>?</sup> , 129:01 <sup>?</sup> , 130:01 <sup>?</sup> , 136:01 <sup>?</sup> ,<br>138:01, 139:01, 140:01 <sup>?</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>38<sup>4</sup></b>      | 100 bp                                  | <b>515 bp</b> | *23:01, 34:01, 52:01, 55:01, 58:01, 62:01, 63:01, 67:01,<br>71:01, 87:01, 95:01, 103:01, 112:01, 121:01, 138:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>39</b>                  | 210 bp                                  | <b>515 bp</b> | *28:01, 31:01, 34:01, 57:01, 59:01, 72:01, 73:01, 95:01,<br>102:01, 108:01, 139:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>40<sup>4,5,19</sup></b> | 95 bp,<br>180 bp                        | 430 bp        | *08:01 <sup>?</sup> , 20:01:01 <sup>?</sup> -20:01:02 <sup>?</sup> , 22:01 <sup>?</sup> , 23:01 <sup>?</sup> , 24:01 <sup>?</sup> ,<br>25:01 <sup>?</sup> , 28:01 <sup>?</sup> , 29:01 <sup>?</sup> , 30:01, 31:01 <sup>?</sup> , 32:01 <sup>?</sup> , 33:01 <sup>?</sup> ,<br>34:01 <sup>?</sup> , 35:01:01 <sup>?</sup> -35:01:02 <sup>?</sup> , 36:01 <sup>?</sup> , 37:01 <sup>?</sup> , 38:01 <sup>?</sup> ,<br>40:01 <sup>?</sup> , 41:01:01 <sup>?</sup> -41:01:02 <sup>?</sup> , 44:01 <sup>?</sup> , 45:01 <sup>?</sup> , 46:01 <sup>?</sup> ,<br>47:01 <sup>?</sup> , 48:01 <sup>?</sup> , 49:01 <sup>?</sup> , 50:01 <sup>?</sup> , 51:01 <sup>?</sup> , 52:01 <sup>?</sup> , 53:01 <sup>?</sup> ,<br>54:01, 55:01 <sup>?</sup> , 56:01 <sup>?</sup> , 57:01 <sup>?</sup> , 58:01 <sup>?</sup> , 59:01 <sup>?</sup> , 60:01 <sup>?</sup> ,<br>61:01N <sup>?</sup> , 62:01 <sup>?</sup> , 63:01 <sup>?</sup> , 64:01N <sup>?</sup> , 65:01 <sup>?</sup> , 66:01 <sup>?</sup> ,<br>67:01 <sup>?</sup> , 68:01 <sup>?</sup> , 69:01 <sup>?</sup> , 70:01 <sup>?</sup> , 71:01 <sup>?</sup> , 72:01 <sup>?</sup> , 73:01 <sup>?</sup> ,<br>74:01 <sup>?</sup> , 75:01 <sup>?</sup> , 76:01 <sup>?</sup> , 77:01 <sup>?</sup> , 78:01 <sup>?</sup> , 79:01 <sup>?</sup> , 80:01 <sup>?</sup> ,<br>81:01 <sup>?</sup> , 82:01 <sup>?</sup> , 83:01 <sup>?</sup> , 84:01 <sup>?</sup> , 85:01 <sup>?</sup> , 86:01 <sup>?</sup> , 87:01 <sup>?</sup> ,<br>88:01 <sup>?</sup> , 89:01 <sup>?</sup> , 90:01 <sup>?</sup> , 91:01 <sup>?</sup> , 92:01 <sup>?</sup> , 93:01 <sup>?</sup> , 94:01 <sup>?</sup> ,<br>95:01 <sup>?</sup> , 96:01 <sup>?</sup> , 97:01 <sup>?</sup> , 98:01 <sup>?</sup> , 99:01 <sup>?</sup> , 100:01 <sup>?</sup> ,<br>101:01 <sup>?</sup> , 102:01 <sup>?</sup> , 103:01 <sup>?</sup> , 107:01, 108:01 <sup>?</sup> , 109:01 <sup>?</sup> ,<br>110:01 <sup>?</sup> , 111:01 <sup>?</sup> , 112:01 <sup>?</sup> , 113:01 <sup>?</sup> , 114:01 <sup>?</sup> , 115:01 <sup>?</sup> ,<br>116:01 <sup>?</sup> , 117:01 <sup>?</sup> , 118:01 <sup>?</sup> , 119:01 <sup>?</sup> , 120:01N <sup>?</sup> , 121:01 <sup>?</sup> ,<br>122:01 <sup>?</sup> , 123:01 <sup>?</sup> , 124:01 <sup>?</sup> , 125:01 <sup>?</sup> , 126:01 <sup>?</sup> , 127:01 <sup>?</sup> ,<br>128:01 <sup>?</sup> , 129:01 <sup>?</sup> , 130:01 <sup>?</sup> , 132:01 <sup>?</sup> , 133:01 <sup>?</sup> , 134:01 <sup>?</sup> ,<br>135:01 <sup>?</sup> , 136:01 <sup>?</sup> , 137:01 <sup>?</sup> , 138:01 <sup>?</sup> , 139:01 <sup>?</sup> , 140:01 <sup>?</sup> ,<br>141:01 <sup>?</sup> |
| <b>41<sup>4,20</sup></b>   | 75 bp, 225<br>bp, 250 bp                | <b>515 bp</b> | *31:01, 34:01, 77:01, 94:01, 134:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>42<sup>7,21</sup></b>   | 140 bp,<br>185 bp,<br>245 bp,<br>285 bp | 430 bp        | *32:01, 82:01, 97:01, 128:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>43<sup>4,5,22</sup></b> | 65 bp,<br>190 bp                        | 430 bp        | *05:01:01-05:01:02, 08:01 <sup>?</sup> , 11:01:02 <sup>?</sup> , 19:01,<br>20:01:01 <sup>?</sup> -20:01:02 <sup>?</sup> , 22:01 <sup>?</sup> , 23:01 <sup>?</sup> , 24:01 <sup>?</sup> , 25:01 <sup>?</sup> ,<br>28:01 <sup>?</sup> , 29:01 <sup>?</sup> , 30:01 <sup>?</sup> , 31:01 <sup>?</sup> , 32:01 <sup>?</sup> , 33:01 <sup>?</sup> , 34:01,<br>35:01:01 <sup>?</sup> -35:01:02 <sup>?</sup> , 36:01 <sup>?</sup> , 37:01 <sup>?</sup> , 38:01 <sup>?</sup> , 40:01 <sup>?</sup> ,<br>41:01:01 <sup>?</sup> -41:01:02 <sup>?</sup> , 44:01 <sup>?</sup> , 45:01 <sup>?</sup> , 46:01 <sup>?</sup> , 47:01 <sup>?</sup> ,<br>48:01 <sup>?</sup> , 49:01 <sup>?</sup> , 50:01 <sup>?</sup> , 51:01 <sup>?</sup> , 52:01 <sup>?</sup> , 53:01 <sup>?</sup> , 54:01 <sup>?</sup> ,<br>55:01 <sup>?</sup> , 56:01 <sup>?</sup> , 57:01 <sup>?</sup> , 58:01 <sup>?</sup> , 59:01 <sup>?</sup> , 60:01 <sup>?</sup> ,<br>61:01N <sup>?</sup> , 62:01, 63:01 <sup>?</sup> , 64:01N <sup>?</sup> , 65:01 <sup>?</sup> , 66:01 <sup>?</sup> ,<br>67:01 <sup>?</sup> , 68:01 <sup>?</sup> , 69:01 <sup>?</sup> , 70:01 <sup>?</sup> , 71:01 <sup>?</sup> , 72:01 <sup>?</sup> , 73:01 <sup>?</sup> ,<br>74:01 <sup>?</sup> , 75:01 <sup>?</sup> , 76:01 <sup>?</sup> , 77:01 <sup>?</sup> , 78:01 <sup>?</sup> , 79:01 <sup>?</sup> , 80:01 <sup>?</sup> ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

**Lot-specific information**

|                          |                                         |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                                         |        | 81:01 <sup>?</sup> , 82:01 <sup>?</sup> , 83:01 <sup>?</sup> , 84:01 <sup>?</sup> , 85:01 <sup>?</sup> , 86:01 <sup>?</sup> , 87:01 <sup>?</sup> ,<br>88:01 <sup>?</sup> , 89:01 <sup>?</sup> , 90:01 <sup>?</sup> , 91:01 <sup>?</sup> , 92:01 <sup>?</sup> , 93:01 <sup>?</sup> , 94:01 <sup>?</sup> ,<br>95:01 <sup>?</sup> , 96:01 <sup>?</sup> , 97:01 <sup>?</sup> , 98:01 <sup>?</sup> , 99:01 <sup>?</sup> , 100:01 <sup>?</sup> ,<br>101:01 <sup>?</sup> , 102:01 <sup>?</sup> , 103:01 <sup>?</sup> , 104:01, 108:01 <sup>?</sup> , 109:01 <sup>?</sup> ,<br>110:01 <sup>?</sup> , 111:01 <sup>?</sup> , 112:01 <sup>?</sup> , 113:01 <sup>?</sup> , 114:01 <sup>?</sup> , 115:01 <sup>?</sup> ,<br>116:01 <sup>?</sup> , 117:01 <sup>?</sup> , 118:01 <sup>?</sup> , 119:01 <sup>?</sup> , 120:01N <sup>?</sup> , 121:01 <sup>?</sup> ,<br>122:01 <sup>?</sup> , 123:01 <sup>?</sup> , 124:01 <sup>?</sup> , 125:01 <sup>?</sup> , 126:01 <sup>?</sup> , 127:01 <sup>?</sup> ,<br>128:01 <sup>?</sup> , 129:01 <sup>?</sup> , 130:01 <sup>?</sup> , 132:01 <sup>?</sup> , 133:01 <sup>?</sup> , 134:01 <sup>?</sup> ,<br>136:01 <sup>?</sup> , 137:01 <sup>?</sup> , 139:01 <sup>?</sup> , 140:01 <sup>?</sup> , 141:01 <sup>?</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>44<sup>4,23</sup></b> | 110 bp,<br>185 bp,<br>245 bp,<br>270 bp | 430 bp | *38:01, 64:01N, 111:01, 118:01, 120:01N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>45<sup>4,24</sup></b> | 120 bp,<br>190 bp,<br>245 bp            | 430 bp | *39:01, 46:01, 49:01, 80:01, 86:01, 96:01, 108:01,<br>115:01, 117:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>46<sup>4,25</sup></b> | 70 bp,<br>205 bp                        | 430 bp | *41:01:01-41:01:02, 60:01, 69:01, 83:01, 96:01, 136:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>47<sup>5,26</sup></b> | 165 bp,<br>255 bp                       | 430 bp | *02:01:02-02:02, 04:01:01:01-04:01:03, 08:01 <sup>?</sup> , 17:01,<br>22:01 <sup>?</sup> , 23:01, 24:01 <sup>?</sup> , 25:01 <sup>?</sup> , 28:01, 29:01 <sup>?</sup> , 30:01,<br>31:01 <sup>?</sup> , 32:01 <sup>?</sup> , 33:01, 34:01 <sup>?</sup> , 35:01:01 <sup>?</sup> , 36:01 <sup>?</sup> ,<br>37:01 <sup>?</sup> , 38:01 <sup>?</sup> , 39:01, 40:01 <sup>?</sup> , 41:01:01 <sup>?</sup> -41:01:02 <sup>?</sup> ,<br>44:01, 46:01 <sup>?</sup> , 47:01 <sup>?</sup> , 48:01 <sup>?</sup> , 49:01 <sup>?</sup> , 51:01 <sup>?</sup> , 52:01 <sup>?</sup> ,<br>53:01 <sup>?</sup> , 54:01 <sup>?</sup> , 55:01, 56:01 <sup>?</sup> , 57:01 <sup>?</sup> , 58:01 <sup>?</sup> , 60:01 <sup>?</sup> ,<br>61:01N <sup>?</sup> , 62:01 <sup>?</sup> , 63:01 <sup>?</sup> , 64:01N <sup>?</sup> , 65:01 <sup>?</sup> , 66:01 <sup>?</sup> ,<br>67:01 <sup>?</sup> , 68:01 <sup>?</sup> , 69:01 <sup>?</sup> , 70:01 <sup>?</sup> , 71:01 <sup>?</sup> , 72:01 <sup>?</sup> , 73:01 <sup>?</sup> ,<br>74:01 <sup>?</sup> , 75:01 <sup>?</sup> , 76:01 <sup>?</sup> , 77:01 <sup>?</sup> , 78:01 <sup>?</sup> , 79:01 <sup>?</sup> , 80:01 <sup>?</sup> ,<br>81:01 <sup>?</sup> , 82:01 <sup>?</sup> , 83:01 <sup>?</sup> , 84:01 <sup>?</sup> , 86:01 <sup>?</sup> , 87:01 <sup>?</sup> , 89:01 <sup>?</sup> ,<br>90:01 <sup>?</sup> , 91:01 <sup>?</sup> , 92:01 <sup>?</sup> , 93:01 <sup>?</sup> , 94:01 <sup>?</sup> , 95:01 <sup>?</sup> , 96:01 <sup>?</sup> ,<br>97:01 <sup>?</sup> , 98:01 <sup>?</sup> , 99:01 <sup>?</sup> , 100:01 <sup>?</sup> , 101:01 <sup>?</sup> , 102:01 <sup>?</sup> ,<br>103:01 <sup>?</sup> , 105:01, 106:01, 108:01 <sup>?</sup> , 109:01 <sup>?</sup> , 110:01 <sup>?</sup> ,<br>111:01 <sup>?</sup> , 112:01 <sup>?</sup> , 113:01 <sup>?</sup> , 114:01, 115:01 <sup>?</sup> , 116:01 <sup>?</sup> ,<br>117:01 <sup>?</sup> , 118:01 <sup>?</sup> , 119:01 <sup>?</sup> , 120:01N <sup>?</sup> , 121:01, 122:01 <sup>?</sup> ,<br>123:01, 124:01, 125:01 <sup>?</sup> , 127:01 <sup>?</sup> , 128:01 <sup>?</sup> , 129:01 <sup>?</sup> ,<br>130:01 <sup>?</sup> , 133:01, 134:01, 136:01 <sup>?</sup> , 137:01, 139:01 <sup>?</sup> ,<br>140:01 <sup>?</sup> , 141:01 |
| <b>48<sup>4,27</sup></b> | 115 bp,<br>210 bp,<br>280 bp            | 430 bp | *56:01, 61:01N, 66:01, 76:01, 85:01, 92:01, 110:01,<br>125:01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

<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 DPB1 SSP typings.

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

Nonspecific amplifications, i.e. a ladder or a smear of bands, may sometimes be seen. GC-rich

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

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 430 base pairs, for most wells, or a band of 515 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the longer, 515 bp, internal positive control band in order to help in the correct orientation of the DPB1 typing.

In addition, wells number 2, 5, 8, 10 to 12, 17, 20, 24 to 26, 29, 36, 38, 39 and 41 contain the primer pair giving rise to the longer, 515 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>For several DPB1 alleles 1<sup>st</sup> and/or 3<sup>rd</sup> exon(s) and beyond, as well as intron nucleotide sequences, are not available and thus the primer pairs in primer mixes 37, 40, 43 and 47 may amplify other DPB1 alleles. In these instances it is not known whether some of the primers of the SSP sets are completely matched with the target sequences or not. We assume that unknown sequences in these regions are conserved within allelic groups.

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

<sup>5</sup>Primer mixes 3, 9, 16, 26, 27, 40, 43 and 47 may give rise to a lower yield of HLA-specific PCR product than the other DPB1 primer mixes.

<sup>6</sup>Primer mixes 3, 16, 26 and 31 have a tendency to giving rise to primer oligomer formation.

<sup>7</sup>Primer mixes 32 and 42 may have tendencies of unspecific amplifications.

<sup>8</sup>Primer mix 14: Specific PCR fragment of 105 bp in the DPB1\*02:02, 05:01:01-05:01:02, 22:01, 38:01, 97:01, 100:01, 101:01, 135:01 and 140:01 alleles. Specific PCR fragment of 175 bp in the DPB1\*30:01 and 54:01 alleles. Specific PCR fragments of 105 and 175 bp in the DPB1\*21:01, 36:01 and 114:01 alleles.

<sup>9</sup>Primer mix 16: Specific PCR fragment of 80 bp in the DPB1\*03:01:01-03:01:02, 04:02:01:01-04:02:01:02, 14:01, 18:01, 20:01:01-20:01:02, 25:01, 28:01, 35:01:01-35:01:02, 45:01, 49:01, 50:01, 51:01, 53:01, 57:01, 59:01, 60:01, 61:01N, 68:01, 70:01, 73:01, 75:01, 76:01, 77:01, 78:01, 79:01, 80:01, 82:01, 83:01, 91:01, 92:01, 98:01, 104:01, 105:01, 108:01, 111:01, 116:01, 119:01, 122:01, 124:01, 129:01, 130:01 and 132:01 alleles. Specific PCR fragment of 165 bp in the DPB1\*99:01 allele. Specific PCR fragment of 210 bp in the DPB1\*127:01 allele.

<sup>10</sup>Primer mix 23: Specific PCR fragment of 145 bp in the DPB1\*05:01:01-05:01:02, 34:01, 36:01, 38:01, 62:01, 63:01, 97:01, 100:01, 112:01, 114:01, 116:01, 135:01 and 140:01 alleles. Specific PCR fragment of 210 bp in the DPB1\*127:01 allele.

<sup>11</sup>Primer mix 24: Specific PCR fragment of 195 bp in the DPB1\*101:01 allele. Specific PCR fragment of 265 bp in the DPB1\*05:01:01-05:01:02, 08:01, 16:01, 19:01, 22:01, 31:01, 38:01, 57:01, 63:01, 65:01, 68:01, 84:01, 97:01, 102:01, 103:01, 106:01, 135:01 and 140:01 alleles.

<sup>12</sup>Primer mix 25: Specific PCR fragment of 190 bp in the DPB1\*05:01:01-05:01:02, 21:01, 22:01, 36:01, 38:01, 44:01, 58:01, 63:01, 97:01, 114:01, 135:01 and 140:01 alleles. Specific PCR fragment of 265 bp in the DPB1\*70:01 allele.

<sup>13</sup>Primer mix 26: Specific PCR fragment of 75 bp in the DPB1\*06:01, 09:01:01-09:01:02, 17:01, 29:01, 44:01, 46:01, 64:01N, 86:01, 88:01, 101:01 and 131:01 alleles. Specific PCR fragment of 205 bp in the DPB1\*123:01 allele.

<sup>14</sup>Primer mix 28: Specific PCR fragment of 200 bp in the DPB1\*09:01:01-09:01:02, 10:01, 13:01, 17:01, 21:01, 26:01:01-26:01:02, 27:01, 30:01, 35:01:01-35:01:02, 36:01, 37:01, 54:01, 55:01, 58:01, 66:01, 79:01, 85:01, 86:01, 88:01, 93:01, 98:01, 107:01, 109:01, 110:01, 113:01, 117:01, 125:01, 129:01, 131:01, 132:01, 133:01 and 137:01 alleles. Specific PCR fragment of 260 bp in the DPB1\*119:01 allele.

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

<sup>15</sup>Primer mix 29: Specific PCR fragment of 105 bp in the DPB1\*141:01 allele. Specific PCR fragment of 220 bp in the DPB1 \*09:01:01-09:01:02, 10:01, 17:01, 30:01, 54:01, 55:01, 58:01, 86:01, 113:01, 131:01 and 137:01 alleles.

<sup>16</sup>Primer mix 32: Specific PCR fragment of 75 bp in the DPB1\*78:01 allele. Specific PCR fragment of 200 bp in the DBB1\*11:01:01-11:01:02 and 130:01 alleles.

<sup>17</sup>Primer mix 33: Specific PCR fragment of 140 bp in the DPB1\*13:01, 33:01, 81:01, 107:01, 110:01, 117:01 and 133:01 alleles. Specific PCR fragment of 205 bp in the DBB1\*123:01 allele.

<sup>18</sup>Primer mix 37: Specific PCR fragment of 185 bp in the DPB1\*15:01, 28:01, 40:01, 53:01, 74:01 and 139:01 alleles. Specific PCR fragment of 255 bp in the DPB1\*04:02:01:01-04:02:01:02, 59:01, 126:01 and 138:01 alleles. The 3<sup>rd</sup> exon of many DPB1 alleles is not sequenced and thus the primer pair in primer mix 37 matching the DPB1\*04:02 and 59:01 sequence motif in the 3<sup>rd</sup> exon may amplify other DPB1 alleles.

<sup>19</sup>Primer mix 40: Specific PCR fragment of 95 bp in the DPB1\*107:01 allele. Specific PCR fragment of 180 bp in the DPB1\*30:01 and 54:01 alleles. The 1<sup>st</sup> exon of most DPB1 alleles is not sequenced and thus the primer pair in primer mix 40 matching the DPB1\*107:01 sequence motif in the 1<sup>st</sup> exon may amplify other DPB1 alleles.

<sup>20</sup>Primer mix 41: Specific PCR fragment of 75 bp in the DPB1\*77:01 allele. Specific PCR fragment of 225 bp in the DPB1\*31:01, 34:01 and 94:01 alleles. Specific PCR fragment of 250 bp in the DPB1\*134:01 allele.

<sup>21</sup>Primer mix 42: Specific PCR fragment of 140 bp in the DPB1\*97:01 allele. Specific PCR fragment of 185 bp in the DPB1\*32:01 allele. Specific PCR fragment of 245 bp in the DPB1\*128:01 allele. Specific PCR fragment of 285 bp in the DPB1\*82:01 allele.

<sup>22</sup>Primer mix 43: Specific PCR fragment of 65 bp in the DPB1\*05:01:01-05:01:02, 19:01 and 104:01 alleles. Specific PCR fragment of 190 bp in the DPB1\*34:01 and 62:01 alleles. The 4<sup>th</sup> exon of most DPB1 alleles is not sequenced and thus the primer pair in primer mix 43 matching the DPB1\*05:01:01, 05:01:02, 19:01 and 104:01 sequence motif in the 4<sup>th</sup> exon may amplify other DPB1 alleles.

<sup>23</sup>Primer mix 44: Specific PCR fragment of 185 bp in the DPB1\*111:01 and 120:01N alleles. Specific PCR fragment of 245 bp in the DPB1\*38:01 allele. Specific PCR fragment of 270 bp in the DPB1\*64:01N allele. Specific PCR fragment of 110 and 185 bp in the DPB1\*118:01 allele.

<sup>24</sup>Primer mix 45: Specific PCR fragment of 120 bp in the DPB1\*46:01, 80:01, 86:01 and 108:01 alleles. Specific PCR fragment of 190 bp in the DPB1\*39:01, 49:01, 96:01 and 117:01 alleles. Specific PCR fragment of 245 bp in the DPB1\*115:01 allele.

<sup>25</sup>Primer mix 46: Specific PCR fragment of 70 bp in the DPB1 \*69:01 and 136:01 alleles. Specific PCR fragment of 205 bp in the DPB1\*96:01 allele. Specific PCR fragment of 70 and 205 bp in the DPB1\*41:01:01-41:01:02, 60:01 and 83:01 alleles.

<sup>26</sup>Primer mix 47: Specific PCR fragment of 165 bp in the DPB1\*44:01 and 114:01 alleles. Specific PCR fragment of 255 bp in the DPB1\*02:01:02-02:02, 04:01:01-04:01:02, 17:01, 23:01, 28:01, 30:01, 33:01, 39:01, 55:01, 105:01, 106:01, 121:01, 123:01, 124:01, 133:01, 134:01, 137:01 and 141:01 alleles. The 3<sup>rd</sup> exon of many DPB1 alleles is not sequenced and thus the primer pair in primer mix 47 matching the DPB1\*02:01:02-02:02, 04:01:01-04:01:02, 17:01, 23:01, 28:01, 30:01, 33:01, 39:01, 55:01, 105:01, 106:01, 121:01, 123:01, 124:01, 133:01, 134:01, 137:01 and 141:01 sequence motif in the 3<sup>rd</sup> exon may amplify other DPB1 alleles.

<sup>27</sup>Primer mix 48: Specific PCR fragment of 115 bp in the DPB1\*56:01, 66:01, 76:01, 92:01, 110:01 and 125:01 alleles. Specific PCR fragment of 210 bp in the DPB1\*61:01N allele. Specific PCR fragment of 280 bp in the DPB1\*85:01 allele.

‘w’, might be weakly amplified.

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

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| INTERPRETATION TABLE                                            |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------------------------------------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DPB1 SSP typing                                                 |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Amplification patterns of the DPB1*01:01 to DPB1*141:01 alleles |                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|                                                                 | Well <sup>5</sup> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|                                                                 | 1                 | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      |
| Length of spec. PCR product(s)                                  | 245               | 220     | 100     | 140     | 235     | 165     | 160     | 210     | 165     | 220     | 185     | 80      | 180     | 105     | 200     | 80      | 260     | 180     | 200     | 235     | 100     | 185     | 145     | 195     |
| Length of int. pos. control <sup>1</sup>                        | 515               | 515     | 430     | 430     | 515     | 430     | 430     | 515     | 430     | 515     | 515     | 515     | 430     | 430     | 430     | 430     | 515     | 430     | 430     | 515     | 430     | 430     | 430     | 515     |
| 5'-primer(s) <sup>2</sup>                                       | 8(112)            | 8(112)  | 36(194) | 36(194) | 11(119) | 35(191) | 36(194) | 9(113)  | 34(190) | 9(113)  | 35(191) | 55(252) | 9(113)  | 11(119) | 27(169) | 11(121) | 11(119) | 11(119) | 11(119) | 11(119) | 57(258) | 36(194) | 11(121) | 9(113)  |
| 3'-primer(s) <sup>3</sup>                                       | 76(315)           | 68(292) | 55(251) | 68(292) | 76(315) | 76(315) | 76(315) | 64(280) | 75(313) | 68(292) | 83(337) | 68(292) | 55(252) | 55(252) | 84(338) | 68(292) | 84(338) | 57(258) | 64(280) | 76(315) | 76(315) | 84(338) | 68(292) | 59(265) |
| Well No.                                                        | 1                 | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      |



101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
**“Instructions for Use” (IFU)**

**Lot No.: 25S**

### Lot-specific information

| INTERPRETATION TABLE                                            |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------------------------------|---------|-----------|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DPB1 SSP typing                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amplification patterns of the DPB1*01:01 to DPB1*141:01 alleles |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Well <sup>5</sup>                                               |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                                                              | 26        | 27      | 28        | 29        | 30        | 31        | 32        | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41        | 42        | 43        | 44        | 45        | 46        | 47        | 48        |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 190                                                             | 75        | 95      | 200       | 105       | 185       | 120       | 75        | 140       | 210       | 195       | 260       | 185       | 100       | 210       | 95        | 75        | 140       | 65        | 110       | 120       | 70        | 165       | 115       | Length of spec.<br>PCR product(s)           |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 265                                                             | 205       |         | 260       | 220       |           |           | 200       | 205       |           |           |           | 255       |           |           | 180       | 225       | 185       | 190       | 185       | 190       | 205       | 255       | 210       |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           | 250       | 245       |           | 245       | 245       |           |           | 280       |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           | Length of int.<br>pos. control <sup>1</sup> |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 515                                                             | 515       | 430     | 430       | 515       | 430       | 430       | 430       | 430       | 430       | 430       | 515       | 430       | 515       | 515       | 430       | 515       | 430       | 430       | 430       | 430       | 430       | 430       | 430       |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8(112)                                                          | 5'-Tgg 3' | 34(190) | 5'-Tgc 3' | 8(112)    | 5'-Tgc 3' | 8(112)    | 5'-Tgc 3' | 32(184)   | 5'-ggc 3' | 36(194)   | 5'-Cgc 3' | 36(194)   | 5'-Cgc 3' | 34(190)   | 5'-Ttt 3' | 9(113)    | 5'-Ttt 3' | 34(190)   | 5'-Taa 3' | 7(108)    | 5'-ACA 3' | 16(136)   | 5'-Ttt 3' |                                             | 34(190) | 5'-gTt 3' | 5'-primer(s) <sup>2</sup> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 | 5'-gag 3' | 57(258) | 5'-gac 3' | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 | 5'-gag 3' | 57(258) | 5'-gac 3' | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   | 5'-gTt 3' | 11(119)   |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           | 3'-primer(s) <sup>3</sup>                   |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |           |         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |                                             |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                                                              | 26        | 27      | 28        | 29        | 30        | 31        | 32        | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41        | 42        | 43        | 44        | 45        | 46        | 47        | 48        | Well No                                     |         |           |                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| Length of spec.<br>PCR product(s)                       | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 185 | 80 | 180 | 105 | 200 | 80  | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |
|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                                         |     |     |     |     |     |     |     |     |     |     |     |    |     | 175 |     | 165 |     |     |     |     |     |     | 210 | 265 |
|                                                         |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 210 |     |     |     |     |     |     |     |     |
| Well No.                                                | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| DPB1 allele <sup>4</sup>                                |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *01:01:01-01:01:03                                      | 1   | 2   | 3   | 4   | 5   | 6   | 7   |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *02:01:02, 02:01:04-<br>02:01:05, 02:01:07-<br>02:01:08 |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *02:01:03                                               |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | w  |     |     |     |     |     |     |     |     |     |     |     |     |
| *02:01:06                                               |     |     |     |     |     |     |     | 8   | w   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *02:02                                                  |     |     |     |     |     |     |     | 8   | 9   | 10  |     |    | 13  | 14  | 15  |     |     |     |     |     |     |     |     |     |
| *03:01:01-03:01:02                                      | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *04:01:01:01-<br>04:01:03                               |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *04:02:01:01-<br>04:02:01:02                            |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *05:01:01-05:01:02                                      |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  |     |     |     |     |     |     |     | 23  | 24  |     |
| *06:01                                                  |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  | 18  | 19  |     |     |     |     |     |
| *08:01                                                  |     |     |     |     | 5   |     |     | 8   |     | 10  |     | 12 |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *09:01:01-09:01:02                                      |     |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  | 18  |     | 20  | 21  |     |     |     |
| *10:01                                                  |     |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *11:01:01                                               |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     | 19  |     |     |     |     |     |
| *11:01:02                                               |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     | 19  |     |     |     |     |     |
| *13:01                                                  | 1   |     | 3   |     |     | 6   | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *14:01                                                  |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *15:01                                                  |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *16:01                                                  |     |     |     |     |     |     |     | 8   | 9   | 10  |     | 12 |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *17:01                                                  |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  | 18  |     |     |     |     |     |     |
| *18:01                                                  |     | 2   |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *19:01                                                  |     |     |     |     | 5   |     |     | 8   | 9   | 10  |     |    | 13  |     |     |     |     |     |     |     |     |     |     | 24  |
| *20:01:01-20:01:02                                      |     | 2   |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16  | 17  | 18  | 19  |     |     |     |     |     |
| *21:01                                                  |     |     |     |     |     |     |     |     | 9   |     |     |    |     | 14  |     |     | 17  |     |     |     |     |     |     |     |
| *22:01                                                  |     |     |     |     |     |     |     | 8   | 9   | 10  |     |    | 13  | 14  |     |     |     |     |     |     |     |     |     | 24  |
| *23:01                                                  |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *24:01                                                  |     |     |     | 4   |     |     |     | 8   |     |     | 11  |    | 13  |     |     |     |     |     |     |     |     | 22  |     |     |
| *25:01                                                  | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  |     | 19  | 20  |     |     |     |     |
| *26:01:01-26:01:02                                      | 1   | 2   | 3   | 4   |     | 6   | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *27:01                                                  |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *28:01                                                  |     |     |     | 4   |     |     |     |     |     |     |     |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *29:01                                                  | 1   |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *30:01                                                  |     |     |     |     |     |     |     |     | 9   |     |     |    |     | 14  |     |     | 17  |     |     |     |     |     |     |     |
| *31:01                                                  |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *32:01                                                  |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *33:01                                                  |     |     | 3   |     |     |     |     | 8   |     | 10  | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| Well No.                                                | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |                                                         |     |
|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|---------------------------------------------------------|-----|
| 190 | 75  | 95 | 200 | 105 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95 | 75 | 140 | 65  | 110 | 120 | 70  | 165 | 115 | Length of spec.<br>PCR product(s)                       |     |
| 265 | 205 |    | 260 | 220 |     | 200 | 205 |     |     |     |     | 255 |     | 180 |    |    | 225 | 185 | 190 | 185 | 190 | 205 | 255 |                                                         | 210 |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    | 250 | 245 |     | 245 | 245 |     | 280 |                                                         |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     | 285 |     | 270 |     |     |     |                                                         |     |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40 | 41 | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                                                |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | DPB1 allele <sup>4</sup>                                |     |
|     |     |    |     |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *01:01:01-01:01:03                                      |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *02:01:02, 02:01:04:<br>02:01:05, 02:01:07-<br>02:01:08 |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *02:01:03                                               |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *02:01:06                                               |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *02:02                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *03:01:01-03:01:02                                      |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *04:01:01:01-<br>04:01:03                               |     |
|     |     |    |     |     |     |     |     |     |     |     |     | 37  |     |     |    |    |     |     |     |     |     |     |     | *04:02:01:01-<br>04:02:01:02                            |     |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     | 43  |     |     |     |     |     | *05:01:01-05:01:02                                      |     |
|     | 26  | 27 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *06:01                                                  |     |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | ?   |     |     | *08:01                                                  |     |
|     | 26  |    | 28  | 29  | 30  |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *09:01:01-09:01:02                                      |     |
|     |     |    | 28  | 29  |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *10:01                                                  |     |
|     |     |    |     |     |     | 31  | 32  |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *11:01:01                                               |     |
|     |     |    |     |     |     | 31  | 32  |     |     |     |     |     |     |     |    |    |     | ?   |     |     |     |     |     | *11:01:02                                               |     |
|     |     |    | 28  |     |     | 31  |     | 33  |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *13:01                                                  |     |
|     |     |    |     | 30  |     |     |     |     | 34  |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *14:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     | 35  | 36  | 37  |     |     |    |    |     |     |     |     |     |     |     | *15:01                                                  |     |
|     |     |    |     |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *16:01                                                  |     |
|     | 26  | 27 | 28  | 29  | 30  |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     | 47  |     | *17:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     | 36  |     |     |     |    |    |     |     |     |     |     |     |     | *18:01                                                  |     |
|     |     |    |     |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     | 43  |     |     |     |     |     | *19:01                                                  |     |
|     |     | 27 |     |     |     |     |     |     |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     |     |     | *20:01:01-20:01:02                                      |     |
| 25  |     |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *21:01                                                  |     |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | ?   |     |     | *22:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     |     |     | 38  | ?   |    |    | ?   |     |     |     | 47  |     |     | *23:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | ?   |     |     | *24:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | ?   |     |     | *25:01                                                  |     |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *26:01:01-26:01:02                                      |     |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *27:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     | 36  | 37  |     | 39  | ?  |    | ?   |     |     |     | 47  |     |     | *28:01                                                  |     |
|     | 26  |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | ?   |     |     | *29:01                                                  |     |
|     |     |    | 28  | 29  |     | 31  |     |     |     |     |     |     |     | 40  |    |    | ?   |     |     |     | 47  |     |     | *30:01                                                  |     |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | 39  | ?  | 41 |     | ?   |     |     | ?   |     |     | *31:01                                                  |     |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | 42  | ?   |     |     | ?   |     |     | *32:01                                                  |     |
|     |     |    |     |     |     |     |     | 33  |     |     |     |     |     | ?   |    |    | ?   |     |     |     | 47  |     |     | *33:01                                                  |     |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40 | 41 | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                                                |     |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| Length of spec.    | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 185 | 80 | 180 | 105 | 200 | 80  | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product(s)     |     |     |     |     |     |     |     |     |     |     |     |    |     | 175 |     | 165 |     |     |     |     |     |     | 210 | 265 |
|                    |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 210 |     |     |     |     |     |     |     |     |
| Well No.           | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| *34:01             |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     |     |     |     |     |     |     | 23  |     |
| *35:01:01          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  |     | 20  | 21  |     |     |     |
| *35:01:02          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  |     | 20  | 21  |     |     |     |
| *36:01             |     | 2   |     |     |     |     |     |     | 9   |     |     |    |     | 14  |     |     | 17  |     |     |     |     |     | 23  |     |
| *37:01             | 1   |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *38:01             |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     | 13  | 14  |     |     |     |     |     |     |     | 23  | 24  |
| *39:01             |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *40:01             |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *41:01:01-41:01:02 |     |     |     |     |     |     |     |     | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *44:01             | 1   |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *45:01             |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  |     | 19  | 20  |     |     |     |     |
| *46:01             |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *47:01             |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  |    | 13  |     |     |     |     |     |     |     |     |     |     |     |
| *48:01             |     |     |     |     |     |     |     | 8   | 9   | 10  |     | 12 |     |     | 15  |     |     |     |     |     |     |     |     |     |
| *49:01             |     |     |     | 4   |     |     |     | 8   |     |     |     |    |     |     |     | 16  |     |     |     |     |     | 22  |     |     |
| *50:01             | 1   | 2   |     |     | 5   |     |     |     |     |     |     |    |     |     |     | 16  |     |     |     |     | 21  |     |     |     |
| *51:01             |     |     |     | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     | 16  |     |     |     |     |     | 22  |     |     |
| *52:01             | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     | 19  | 20  |     |     |     |     |
| *53:01             |     |     |     | 4   |     |     |     | 8   |     |     |     |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *54:01             |     |     |     |     |     |     |     |     |     |     |     |    |     | 14  |     |     | 17  |     |     | 20  |     |     |     |     |
| *55:01             |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *56:01             | 1   | 2   | 3   | 4   |     |     | 7   |     |     |     |     |    |     |     |     |     | 17  |     | 19  | 20  |     |     |     |     |
| *57:01             |     |     |     |     | 5   |     |     |     |     |     |     |    |     |     |     | 16  |     |     |     |     | 21  |     | 24  |     |
| *58:01             |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *59:01             |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *60:01             |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *61:01N            | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *62:01             |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     |     |     |     |     |     |     |     |     | 23  |     |
| *63:01             |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     |     |     |     |     |     |     |     | 23  | 24  |     |
| *64:01N            |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  | 18  | 19  |     |     |     |     |     |
| *65:01             |     |     | 3   | 4   | 5   | 6   | 7   | 8   |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *66:01             |     |     | 3   | 4   |     |     |     |     |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *67:01             |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     | 19  | 20  |     |     |     |     |
| *68:01             |     |     |     |     | 5   |     |     | 8   |     |     |     |    |     |     |     | 16  |     |     |     |     |     |     | 24  |     |
| *69:01             |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     | 17  | 18  | 19  |     |     |     |     |     |
| *70:01             |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *71:01             |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *72:01             |     |     | 3   | 4   |     |     |     |     |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *73:01             |     |     |     |     | 5   |     |     |     |     |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *74:01             |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     |     | 19  |     |     |     |     |     |     |
| Well No.           | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| Lot No.: 200 |     |    |     |     |     |     |     | Lot Specific Information |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Length of spec.<br>PCR product(s) |
|--------------|-----|----|-----|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------|
| 190          | 75  | 95 | 200 | 105 | 185 | 120 | 75  | 140                      | 210 | 195 | 260 | 185 | 100 | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 70  | 165 | 115 |                                   |
| 265          | 205 |    | 260 | 220 |     |     | 200 | 205                      |     |     |     | 255 |     |     | 180 | 225 | 185 | 190 | 185 | 190 | 205 | 255 | 210 |                                   |
|              |     |    |     |     |     |     |     |                          |     |     |     |     |     |     |     | 250 | 245 |     | 245 | 245 |     |     | 280 |                                   |
|              |     |    |     |     |     |     |     |                          |     |     |     |     |     |     |     |     | 285 |     | 270 |     |     |     |     |                                   |
| 25           | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33                       | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                          |
|              |     |    |     |     |     |     |     |                          |     |     | 36  | ?   | 38  | 39  | ?   | 41  |     | 43  |     |     |     | ?   |     | *34:01                            |
|              |     |    | 28  |     | 30  |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *35:01:01                         |
|              |     |    | 28  |     |     |     |     |                          |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *35:01:02                         |
| 25           |     |    | 28  |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *36:01                            |
|              |     |    | 28  |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *37:01                            |
| 25           |     |    |     |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *38:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     |     |     |     |     |     |     |     |     | 45  |     | 47  |     | *39:01                            |
|              |     |    |     |     |     |     |     |                          |     |     | 36  | 37  |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *40:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *41:01:01-41:01:02                |
| 25           | 26  |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *44:01                            |
|              |     |    |     |     |     | 31  |     |                          | 34  |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *45:01                            |
|              | 26  | 27 |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *46:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *47:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *48:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *49:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *50:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *51:01                            |
|              |     |    |     |     |     | 31  |     |                          |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *52:01                            |
|              |     |    |     |     |     |     |     |                          |     |     | 36  | 37  |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *53:01                            |
|              |     |    | 28  | 29  |     | 31  |     |                          |     |     |     | ?   |     |     | 40  |     |     | ?   |     |     |     | ?   |     | *54:01                            |
|              |     |    | 28  | 29  |     | 31  |     |                          |     |     |     |     | 38  |     | ?   |     |     | ?   |     |     |     | 47  |     | *55:01                            |
|              |     |    |     |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *56:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *57:01                            |
| 25           |     |    | 28  | 29  |     | 31  |     |                          |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *58:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | 37  |     | 39  | ?   |     |     | ?   |     |     |     |     |     | *59:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *60:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *61:01N                           |
|              |     |    |     |     |     |     |     |                          |     |     | 36  | ?   | 38  |     | ?   |     |     | 43  |     |     |     | ?   |     | *62:01                            |
| 25           |     |    |     |     |     | 31  |     |                          |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *63:01                            |
|              | 26  | 27 |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *64:01N                           |
|              |     |    |     |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *65:01                            |
|              |     |    | 28  |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *66:01                            |
|              |     |    |     |     |     | 31  |     |                          | 34  |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *67:01                            |
|              |     |    |     |     |     | 31  |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *68:01                            |
|              |     | 27 |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *69:01                            |
| 25           |     |    |     |     |     |     |     |                          |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *70:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *71:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *72:01                            |
|              |     |    |     |     |     |     |     |                          |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *73:01                            |
|              |     |    |     |     |     |     |     |                          |     | 35  |     | 37  |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *74:01                            |
| 25           | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33                       | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                          |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| Length of spec. | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 185 | 80 | 180 | 105 | 200 | 80  | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product(s)  |     |     |     |     |     |     |     |     |     |     |     |    |     | 175 |     | 165 |     |     |     |     |     |     | 210 | 265 |
|                 |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 210 |     |     |     |     |     |     |     |     |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| *75:01          |     |     |     |     | 5   |     |     | 8   |     |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *76:01          |     |     |     | 4   |     |     | 7   |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *77:01          |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *78:01          | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *79:01          | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  |     |     | 20  |     |     |     |     |
| *80:01          |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *81:01          |     |     |     |     |     |     |     | 8   |     | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *82:01          |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *83:01          |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *84:01          |     |     |     |     | 5   |     |     | 8   |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *85:01          |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *86:01          |     |     |     |     |     |     |     |     | 9   |     | 11  | 12 |     |     |     |     |     | 18  |     |     |     |     |     |     |
| *87:01          |     | 2   |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     | 17  |     | 19  |     |     |     |     |     |
| *88:01          | 1   |     |     |     |     |     |     |     |     |     |     | 12 |     |     |     |     | 17  | 18  |     | 20  | 21  |     |     |     |
| *89:01          |     | 2   | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *90:01          | 1   | 2   | 3   | 4   | 5   |     | 7   |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *91:01          |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16  | 17  | 18  | 19  |     |     |     |     |     |
| *92:01          | 1   | 2   |     | 4   |     |     | 7   |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *93:01          |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *94:01          |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *95:01          |     |     |     |     |     |     |     |     | 9   | 10  |     |    |     |     | 15  |     |     |     |     |     |     |     |     |     |
| *96:01          |     |     | 3   | 4   |     |     |     | 8   |     |     |     |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *97:01          |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  |     |     |     |     |     |     |     |     | 23  | 24  |
| *98:01          |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16  | 17  | 18  |     |     |     |     |     |     |
| *99:01          |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     | 15  | 16  |     |     |     |     |     | 22  |     |     |
| *100:01         |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  | 15  |     |     |     |     |     |     |     | 23  |     |
| *101:01         |     |     |     |     |     |     |     | 8   | 9   | 10  |     |    | 13  | 14  | 15  |     |     |     |     |     |     |     |     | 24  |
| *102:01         |     |     | 3   | 4   |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *103:01         |     |     |     |     |     |     |     | 8   | 9   | 10  |     |    |     |     |     |     |     |     |     |     |     |     |     | 24  |
| *104:01         | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *105:01         |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *106:01         |     |     |     |     | 5   |     |     | 8   | 9   | 10  |     |    | 13  |     |     |     |     |     |     |     |     |     |     | 24  |
| *107:01         | 1   |     | 3   |     |     | 6   | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *108:01         |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *109:01         |     |     |     |     |     |     |     |     | 9   |     | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *110:01         | 1   |     | 3   |     |     |     | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *111:01         | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *112:01         |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     | 15  |     |     |     |     |     |     |     | 23  |     |
| *113:01         |     |     |     |     |     |     |     |     | 9   |     | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *114:01         | 1   | 2   |     |     |     |     |     |     |     |     |     |    | 14  |     |     |     | 17  |     | 19  | 20  |     |     | 23  |     |
| Well No.        | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| 190 | 75  | 95 | 200 | 105 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95  | 75  | 140 | 65  | 110 | 120 | 70  | 165 | 115 | Length of spec.<br>PCR product(s) |
|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------|
| 265 | 205 |    | 260 | 220 |     | 200 | 205 |     |     |     |     | 255 |     |     | 180 | 225 | 185 | 190 | 185 | 190 | 205 | 255 | 210 |                                   |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     | 250 | 245 |     | 245 | 245 |     |     | 280 |                                   |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 285 |     | 270 |     |     |     |     | Well No.                          |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  |                                   |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     |                                   |
|     |     |    |     |     | 30  |     |     |     | 34  |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *75:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   | 41  |     | ?   |     |     |     | ?   |     | *76:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *77:01                            |
|     |     |    |     |     |     |     | 32  |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *78:01                            |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *79:01                            |
|     |     | 27 |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *80:01                            |
|     |     |    |     |     |     |     |     |     | 33  |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *81:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *82:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     | 46  | ?   |     | *83:01                            |
|     |     |    |     |     |     |     | 31  |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *84:01                            |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     | 48  | *85:01                            |
|     | 26  | 27 | 28  | 29  | 30  |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  |     | ?   |     | *86:01                            |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *87:01                            |
|     | 26  |    | 28  |     |     |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     |     |     |     | *88:01                            |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *89:01                            |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *90:01                            |
|     |     | 27 |     |     | 30  |     |     |     | 34  |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *91:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *92:01                            |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *93:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   | 41  |     | ?   |     |     |     | ?   |     | *94:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   | 38  | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *95:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 45  | 46  | ?   |     | *96:01                            |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     | 42  | ?   |     | ?   | *97:01                            |
|     |     | 27 | 28  |     | 30  |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *98:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *99:01                            |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *100:01                           |
|     | 26  |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *101:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     |     |     | ?   |     | *102:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *103:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 43  |     |     |     |     |     | *104:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     | *105:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 47  |     | *106:01                           |
|     |     |    | 28  |     |     | 31  |     | 33  |     |     |     |     |     |     | 40  |     |     |     |     |     |     |     |     | *107:01                           |
|     |     | 27 |     |     |     |     |     |     |     |     |     | ?   |     | 39  | ?   |     |     | ?   |     | 45  |     | ?   |     | *108:01                           |
|     |     |    | 28  |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *109:01                           |
|     |     |    | 28  |     |     | 31  |     | 33  |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   | 48  | *110:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   | 44  |     |     | ?   |     | *111:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   | 38  |     | ?   |     |     | ?   |     |     |     | ?   |     | *112:01                           |
|     |     |    | 28  | 29  |     |     |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | ?   |     | *113:01                           |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     |     | ?   |     |     | ?   |     |     |     | 47  |     | *114:01                           |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                          |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| Length of spec.          | 245 | 220 | 100 | 140 | 235 | 165 | 160 | 210 | 165 | 220 | 185 | 80 | 180 | 105 | 200 | 80  | 260 | 180 | 200 | 235 | 100 | 185 | 145 | 195 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PCR product(s)           |     |     |     |     |     |     |     |     |     |     |     |    |     | 175 |     | 165 |     |     |     |     |     |     | 210 | 265 |
|                          |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     | 210 |     |     |     |     |     |     |     |     |
| Well No.                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| *115:01                  |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *116:01                  |     |     |     |     |     |     |     | 8   | 9   |     |     |    |     |     | 15  | 16  |     |     |     |     |     |     | 23  |     |
| *117:01                  |     |     | 3   |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *118:01                  | 1   | 2   | 3   | 4   | 5   | 6   | 7   |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *119:01                  |     |     |     |     |     |     |     |     |     |     | 11  |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *120:01N                 |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *121:01                  |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *122:01                  | 1   | 2   |     | 4   | 5   | 6   | 7   |     |     |     |     |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *123:01                  |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| *124:01                  | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  | 19  | 20  | 21  |     |     |     |
| *125:01                  |     |     | 3   | 4   |     |     | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *126:01                  |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *127:01                  | 1   | 2   | 3   | 4   | 5   | 6   | 7   |     |     |     |     |    |     |     |     | 16  |     |     |     |     |     |     | 23  |     |
| *128:01                  |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *129:01                  |     |     |     |     |     |     |     |     | 9   |     | 11  |    |     |     |     | 16  |     |     |     |     |     |     |     |     |
| *130:01                  |     | 2   |     |     |     |     |     |     | 9   |     |     |    |     |     |     | 16  | 17  | 18  | 19  |     |     |     |     |     |
| *131:01                  |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  | 18  |     |     |     |     |     |     |
| *132:01                  | 1   | 2   |     |     |     |     |     |     |     |     |     |    |     |     |     | 16  | 17  | 18  |     | 20  | 21  |     |     |     |
| *133:01                  | 1   |     | 3   |     |     | 6   | 7   |     |     |     |     |    |     |     |     |     | 17  |     |     | 20  |     |     |     |     |
| *134:01                  |     |     | 3   | 4   |     |     |     | 8   |     |     | 11  |    |     |     |     |     |     |     |     |     |     | 22  |     |     |
| *135:01                  |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  |     |     |     |     |     |     |     |     | 23  | 24  |
| *136:01                  |     |     |     |     |     |     |     |     | 9   |     |     |    |     |     |     |     | 17  |     | 19  |     |     |     |     |     |
| *137:01                  |     |     |     |     |     |     |     |     | 9   |     |     | 12 |     |     |     |     | 17  |     |     |     |     |     |     |     |
| *138:01                  |     |     |     |     |     |     |     | 8   | 9   |     | 11  |    |     |     |     |     |     |     |     |     |     |     |     |     |
| *139:01                  |     |     |     | 4   |     |     |     |     |     |     |     |    | 13  |     |     |     |     |     |     |     |     |     |     |     |
| *140:01                  |     |     |     |     |     |     |     | 8   | 9   |     |     |    | 13  | 14  |     |     |     |     |     |     |     |     | 23  | 24  |
| *141:01                  |     |     |     |     |     |     |     | 8   | 9   | 10  | 11  | 12 |     |     |     |     |     |     |     |     |     |     |     |     |
| Well No.                 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |
| DPB1 allele <sup>4</sup> |     |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |

<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 430 base pairs, for most wells, or a band of 515 base pairs, for some wells.

Well number 1 contains the primer pair giving rise to the longer, 515 bp, internal positive control band in order to help in the correct orientation of the DPB1 typing.

In addition, wells number 2, 5, 8, 10 to 12, 17, 20, 24 to 26, 29, 36, 38, 39 and 41 contain the primer pair giving rise to the longer, 515 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>2</sup>The codon, and in parenthesis the nucleotide, in the 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup> exon or in the 1<sup>st</sup> intron, matching the specificity-determining 3'-end of the primer is given. Codon and nucleotide numbering as on the 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 codon, and in parenthesis the nucleotide, in the 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 in the anti-sense direction. Codon and 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.

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     |                                   |
|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------|
| 190 | 75  | 95 | 200 | 105 | 185 | 120 | 75  | 140 | 210 | 195 | 260 | 185 | 100 | 210 | 95 | 75 | 140 | 65  | 110 | 120 | 70  | 165 | 115 | Length of spec.<br>PCR product(s) |
| 265 | 205 |    | 260 | 220 |     | 200 | 205 |     |     |     |     | 255 |     | 180 |    |    | 225 | 185 | 190 | 185 | 190 | 205 | 255 | 210                               |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    | 250 | 245 |     | 245 | 245 |     |     | 280                               |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     | 285 |     | 270 |     |     |     |                                   |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40 | 41 | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                          |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     | 45  |     | ?   |     |                                   |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *115:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *116:01                           |
|     |     |    | 28  |     |     |     |     | 33  |     |     |     | ?   |     | ?   |    |    | ?   |     |     | 45  |     | ?   |     | *117:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   | 44  |     |     |     | ?   |     | *118:01                           |
|     |     |    | 28  |     | 30  |     |     |     | 34  |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *119:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   | 44  |     |     |     | ?   |     | *120:01N                          |
|     |     |    |     |     |     |     |     |     |     |     |     |     | 38  | ?   |    |    | ?   |     |     |     |     | 47  |     | *121:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *122:01                           |
|     | 26  |    |     |     |     |     |     | 33  |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     | 47  |     | *123:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     | 47  |     | *124:01                           |
|     |     |    | 28  |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   | 48  | *125:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | 37  |     | ?   |    |    | ?   |     |     |     |     |     |     | *126:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *127:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | 42  | ?   |     |     |     | ?   |     | *128:01                           |
|     |     |    | 28  |     |     |     |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *129:01                           |
|     |     | 27 |     |     |     |     | 32  |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *130:01                           |
|     | 26  | 27 | 28  | 29  | 30  |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | *131:01                           |
|     |     |    | 28  |     |     |     |     |     |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     |     |     | *132:01                           |
|     |     |    | 28  |     |     | 31  |     | 33  |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     | 47  |     | *133:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     | ?   | 41 |    | ?   |     |     |     |     | 47  |     | *134:01                           |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     |     |     | ?   |    |    |     |     |     |     |     |     |     | *135:01                           |
|     |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     | 46  | ?   |     | *136:01                           |
|     |     |    | 28  | 29  |     | 31  |     |     |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     | 47  |     | *137:01                           |
|     |     |    |     |     |     |     |     |     |     |     |     | 37  | 38  | ?   |    |    |     |     |     |     |     |     |     | *138:01                           |
|     |     |    |     |     |     |     |     |     | 36  | 37  |     | 39  | ?   |     |    |    | ?   |     |     |     |     | ?   |     | *139:01                           |
| 25  |     |    |     |     |     | 31  |     |     |     |     |     | ?   |     | ?   |    |    | ?   |     |     |     |     | ?   |     | *140:01                           |
|     |     |    |     | 29  |     |     |     |     |     |     |     |     |     | ?   |    |    | ?   |     |     |     |     | 47  |     | *141:01                           |
| 25  | 26  | 27 | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40 | 41 | 42  | 43  | 44  | 45  | 46  | 47  | 48  | Well No.                          |
|     |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |     |     |     |     |     |     | DPB1 allele <sup>4</sup>          |

<sup>4</sup>The sequence of the DPB1\*02011 allele has been shown to be identical to DPB1\*02:01:02.

DPB1\*0701 has never been assigned.

DPB1\*1201 has never been assigned.

The sequence of the DPB1\*4201 allele has been shown to be identical to DPB1\*31:01.

The sequence of the DPB1\*4301 allele has been shown to be identical to DPB1\*28:01.

<sup>5</sup>Primer mix 14: Specific PCR fragment of 105 bp in the DPB1\*02:02, 05:01:01-05:01:02, 22:01, 38:01, 97:01, 100:01, 101:01, 135:01 and 140:01 alleles. Specific PCR fragment of 175 bp in the DPB1\*30:01 and 54:01 alleles. Specific PCR fragments of 105 and 175 bp in the DPB1\*21:01, 36:01 and 114:01 alleles.

Primer mix 16: Specific PCR fragment of 80 bp in the DPB1\*03:01:01-03:01:02, 04:02:01:01-04:02:01:02, 14:01, 18:01, 20:01:01-20:01:02, 25:01, 28:01, 35:01:01-35:01:02, 45:01, 49:01, 50:01, 51:01, 53:01, 57:01, 59:01, 60:01, 61:01N, 68:01, 70:01, 73:01, 75:01, 76:01, 77:01, 78:01, 79:01, 80:01, 82:01, 83:01, 91:01, 92:01, 98:01, 104:01, 105:01, 108:01, 111:01, 116:01, 119:01, 122:01, 124:01, 129:01, 130:01 and 132:01 alleles.

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

Specific PCR fragment of 165 bp in the DPB1\*99:01 allele. Specific PCR fragment of 210 bp in the DPB1\*127:01 allele.

Primer mix 23: Specific PCR fragment of 145 bp in the DPB1\*05:01:01-05:01:02, 34:01, 36:01, 38:01, 62:01, 63:01, 97:01, 100:01, 112:01, 114:01, 116:01, 135:01 and 140:01 alleles. Specific PCR fragment of 210 bp in the DPB1\*127:01 allele.

Primer mix 24: Specific PCR fragment of 195 bp in the DPB1\*101:01 allele. Specific PCR fragment of 265 bp in the DPB1\*05:01:01-05:01:02, 08:01, 16:01, 19:01, 22:01, 31:01, 38:01, 57:01, 63:01, 65:01, 68:01, 84:01, 97:01, 102:01, 103:01, 106:01, 135:01 and 140:01 alleles.

Primer mix 25: Specific PCR fragment of 190 bp in the DPB1\*05:01:01-05:01:02, 21:01, 22:01, 36:01, 38:01, 44:01, 58:01, 63:01, 97:01, 114:01, 135:01 and 140:01 alleles. Specific PCR fragment of 265 bp in the DPB1\*70:01 allele.

Primer mix 26: Specific PCR fragment of 75 bp in the DPB1\*06:01, 09:01:01-09:01:02, 17:01, 29:01, 44:01, 46:01, 64:01N, 86:01, 88:01, 101:01 and 131:01 alleles. Specific PCR fragment of 205 bp in the DPB1\*123:01 allele.

Primer mix 28: Specific PCR fragment of 200 bp in the DPB1\*09:01:01-09:01:02, 10:01, 13:01, 17:01, 21:01, 26:01:01-26:01:02, 27:01, 30:01, 35:01:01-35:01:02, 36:01, 37:01, 54:01, 55:01, 58:01, 66:01, 79:01, 85:01, 86:01, 88:01, 93:01, 98:01, 107:01, 109:01, 110:01, 113:01, 117:01, 125:01, 129:01, 131:01, 132:01, 133:01 and 137:01 alleles. Specific PCR fragment of 260 bp in the DPB1\*119:01 allele.

Primer mix 29: Specific PCR fragment of 105 bp in the DPB1\*141:01 allele. Specific PCR fragment of 220 bp in the DPB1\*09:01:01-09:01:02, 10:01, 17:01, 30:01, 54:01, 55:01, 58:01, 86:01, 113:01, 131:01 and 137:01 alleles.

Primer mix 32: Specific PCR fragment of 75 bp in the DPB1\*78:01 allele. Specific PCR fragment of 200 bp in the DBB1\*11:01:01-11:01:02 and 130:01 alleles.

Primer mix 33: Specific PCR fragment of 140 bp in the DPB1\*13:01, 33:01, 81:01, 107:01, 110:01, 117:01 and 133:01 alleles. Specific PCR fragment of 205 bp in the DBB1\*123:01 allele.

Primer mix 37: Specific PCR fragment of 185 bp in the DPB1\*15:01, 28:01, 40:01, 53:01, 74:01 and 139:01 alleles. Specific PCR fragment of 255 bp in the DPB1\*04:02:01:01-04:02:01:02, 59:01, 126:01 and 138:01 alleles. The 3<sup>rd</sup> exon of many DPB1 alleles is not sequenced and thus the primer pair in primer mix 37 matching the DPB1\*04:02 and 59:01 sequence motif in the 3<sup>rd</sup> exon may amplify other DPB1 alleles.

Primer mix 40: Specific PCR fragment of 95 bp in the DPB1\*107:01 allele. Specific PCR fragment of 180 bp in the DPB1\*30:01 and 54:01 alleles. The 1<sup>st</sup> exon of most DPB1 alleles is not sequenced and thus the primer pair in primer mix 40 matching the DPB1\*107:01 sequence motif in the 1<sup>st</sup> exon may amplify other DPB1 alleles.

Primer mix 41: Specific PCR fragment of 75 bp in the DPB1\*77:01 allele. Specific PCR fragment of 225 bp in the DPB1\*31:01, 34:01 and 94:01 alleles. Specific PCR fragment of 250 bp in the DPB1\*134:01 allele.

Primer mix 42: Specific PCR fragment of 140 bp in the DPB1\*97:01 allele. Specific PCR fragment of 185 bp in the DPB1\*32:01 allele. Specific PCR fragment of 245 bp in the DPB1\*128:01 allele. Specific PCR fragment of 285 bp in the DPB1\*82:01 allele.

Primer mix 43: Specific PCR fragment of 65 bp in the DPB1\*05:01:01-05:01:02, 19:01 and 104:01 alleles. Specific PCR fragment of 190 bp in the DPB1\*34:01 and 62:01 alleles. The 4<sup>th</sup> exon of most DPB1 alleles is not sequenced and thus the primer pair in primer mix 43 matching the DPB1\*05:01:01, 05:01:02, 19:01 and 104:01 sequence motif in the 4<sup>th</sup> exon may amplify other DPB1 alleles.

Primer mix 44: Specific PCR fragment of 185 bp in the DPB1\*111:01 and 120:01N alleles. Specific PCR fragment of 245 bp in the DPB1\*38:01 allele. Specific PCR fragment of 270 bp in the DPB1\*64:01N allele. Specific PCR fragment of 110 and 185 bp in the DPB1\*118:01 allele.

Primer mix 45: Specific PCR fragment of 120 bp in the DPB1\*46:01, 80:01, 86:01 and 108:01 alleles. Specific PCR fragment of 190 bp in the DPB1\*39:01, 49:01, 96:01 and 117:01 alleles. Specific PCR fragment of 245 bp in the DPB1\*115:01 allele.

Primer mix 46: Specific PCR fragment of 70 bp in the DPB1\*69:01 and 136:01 alleles. Specific PCR fragment of 205 bp in the DPB1\*96:01 allele. Specific PCR fragment of 70 and 205 bp in the DPB1\*41:01:01-41:01:02, 60:01 and 83:01 alleles.

Primer mix 47: Specific PCR fragment of 165 bp in the DPB1\*44:01 and 114:01 alleles. Specific PCR fragment of 255 bp in the DPB1\*02:01:02-02:02:02, 04:01:01-04:01:02, 17:01, 23:01, 28:01, 30:01, 33:01, 39:01, 55:01, 105:01, 106:01, 121:01, 123:01, 124:01, 133:01, 134:01, 137:01 and 141:01 alleles. The 3<sup>rd</sup> exon of many DPB1 alleles is not sequenced and thus the primer pair in primer mix 47 matching the DPB1\*02:01:02-02:02:02, 04:01:01-04:01:02, 17:01, 23:01, 28:01, 30:01, 33:01, 39:01, 55:01, 105:01, 106:01, 121:01, 123:01, 124:01, 133:01, 134:01, 137:01 and 141:01 sequence motif in the 3<sup>rd</sup> exon may amplify other DPB1 alleles.

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

**Lot No.: 25S****Lot-specific information**

Primer mix 48: Specific PCR fragment of 115 bp in the DPB1\*56:01, 66:01, 76:01, 92:01, 110:01 and 125:01 alleles. Specific PCR fragment of 210 bp in the DPB1\*61:01N allele. Specific PCR fragment of 280 bp in the DPB1\*85:01 allele.

‘w’, might be weakly amplified.

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

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| CELL LINE VALIDATION SHEET |                |            |        |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|----------------|------------|--------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DPB1 SSP kit               |                |            |        |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                |            |        |          | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                |            |        |          | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        |
|                            |                |            |        | Lot No.: | 201184901 | 201184902 | 201294303 | 201317604 | 201184905 | 201184906 | 201317607 | 201184908 | 201184909 | 201184910 | 201184911 | 201184912 | 201184913 | 201184914 | 201184915 | 201184916 |
|                            | IHCW cell line |            | DPB1   |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                          | 9001           | SA         | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 2                          | 9280           | LK707      | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 3                          | 9011           | E4181324   | *02:01 | *04:01   | -         | -         | +         | +         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 4                          | 9275           | GU373      | *04:02 | *17:01   | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | +         | -         | -         | -         | +         |
| 5                          | 9009           | KAS011     | *04:01 | *14:01   | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | +         |
| 6                          | 9353           | SM         | *05:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | +         | -         | -         |
| 7                          | 9020           | QBL        | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | -         | -         | +         | +         | +         | -         |
| 8                          | 9025           | DEU        | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 9                          | 9026           | YAR        | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 10                         | 9107           | LKT3       | *05:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | +         | -         | -         |
| 11                         | 9051           | PITOUT     | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 12                         | 9052           | DBB        | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 13                         | 9004           | JESTHOM    | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 14                         | 9071           | OLGA       | *03:01 | *04:02   | +         | +         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 15                         | 9075           | DKB        | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 16                         | 9037           | SWEIG007   | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 17                         | 9282           | CTM3953540 | *01:01 | *02:01   | +         | +         | +         | +         | +         | +         | +         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 18                         | 9257           | 32367      | *04:02 | *18:01   | -         | +         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 19                         | 9038           | BM16       | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 20                         | 9059           | SLE005     | *03:01 |          | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 21                         | 9064           | AMALA      | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 22                         | 9056           | KOSE       | *02:01 | *13:01   | +         | -         | +         | -         | -         | +         | +         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 23                         | 9124           | IHL        | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 24                         | 9035           | JBUSH      | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 25                         | 9049           | IBW9       | *01:01 |          | +         | +         | +         | +         | +         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 26                         | 9285           | WT49       | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 27                         | 9191           | CH1007     | *03:01 | *13:01   | +         | +         | +         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | +         |
| 28                         | 9320           | BEL5GB     | *02:01 | *04:01   | -         | -         | +         | +         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 29                         | 9050           | MOU        | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |
| 30                         | 9021           | RSH        | *01:01 | *105:01  | +         | +         | +         | +         | +         | +         | +         | +         | +         | +         | +         | -         | -         | -         | -         | +         |
| 31                         | 9019           | DUCAF      | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | -         | -         | +         | +         | +         | -         |
| 32                         | 9297           | HAG        | *02:01 | *03:01   | +         | +         | -         | -         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | +         |
| 33                         | 9098           | MT14B      | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 34                         | 9104           | DHIF       | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 35                         | 9302           | SSTO       | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 36                         | 9024           | KT17       | *05:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | +         | -         | -         |
| 37                         | 9065           | HHKB       | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 38                         | 9099           | LZL        | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 39                         | 9315           | CML        | *04:01 | *14:01   | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | +         |
| 40                         | 9134           | WHONP199   | *05:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | +         | -         | -         |
| 41                         | 9055           | H0301      | *05:01 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | -         | -         | +         | +         | -         | -         |
| 42                         | 9066           | TAB089     | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | -         | -         | +         | +         | +         | -         |
| 43                         | 9076           | T7526      | *13:01 |          | +         | -         | +         | -         | -         | +         | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 44                         | 9057           | TEM        | *04:01 |          | -         | -         | +         | +         | -         | -         | -         | +         | -         | -         | +         | -         | -         | -         | -         | -         |
| 45                         | 9239           | SHJO       | *03:01 | *04:02   | +         | +         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 46                         | 9013           | SCHU       | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | +         | +         | -         | +         | -         | -         | -         | -         | +         |
| 47                         | 9045           | TUBO       | *02:01 | *04:02   | -         | -         | -         | -         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | +         |
| 48                         | 9303           | TER-ND     | *02:01 | *04:01   | -         | -         | +         | +         | -         | -         | -         | +         | +         | +         | +         | +         | -         | -         | -         | -         |

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
**“Instructions for Use” (IFU)**

### Lot-specific information

| CELL LINE VALIDATION SHEET |                |            |        |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |  |
|----------------------------|----------------|------------|--------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|--|
| DPB1 SSP kit               |                |            |        |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |  |
|                            |                |            |        |          | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |  |
|                            |                |            |        |          | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30        | 31        | 32        |   |  |
|                            |                |            |        | Lot No.: | 201184917 | 201184918 | 201184919 | 201184920 | 201184921 | 201317622 | 201184923 | 201184924 | 201184925 | 201184926 | 201184927 | 201184928 | 201317629 | 201184930 | 201205331 | 201317632 |   |  |
|                            | IHCW cell line |            | DPB1   |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |   |  |
| 1                          | 9001           | SA         | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 2                          | 9280           | LK707      | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 3                          | 9011           | E4181324   | *02:01 | *04:01   | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 4                          | 9275           | GU373      | *04:02 | *17:01   | +         | +         | -         | -         | -         | -         | -         | -         |           | -         | +         | +         | +         | +         | +         | -         | - |  |
| 5                          | 9009           | KAS011     | *04:01 | *14:01   | +         | +         | +         | +         | +         | +         | -         | -         |           | -         | -         | -         | -         | -         | +         | -         | - |  |
| 6                          | 9353           | SM         | *05:01 |          | -         | -         | -         | -         | -         | -         | +         | +         |           | +         | -         | -         | -         | -         | -         | +         | - |  |
| 7                          | 9020           | QBL        | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 8                          | 9025           | DEU        | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 9                          | 9026           | YAR        | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 10                         | 9107           | LKT3       | *05:01 |          | -         | -         | -         | -         | -         | -         | +         | +         |           | +         | -         | -         | -         | -         | -         | +         | - |  |
| 11                         | 9051           | PITOUT     | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 12                         | 9052           | DBB        | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 13                         | 9004           | JESTHOM    | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 14                         | 9071           | OLGA       | *03:01 | *04:02   | +         | +         | +         | +         | +         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 15                         | 9075           | DKB        | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 16                         | 9037           | SWEIG007   | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 17                         | 9282           | CTM3953540 | *01:01 | *02:01   | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | +         | - |  |
| 18                         | 9257           | 32367      | *04:02 | *18:01   | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 19                         | 9038           | BM16       | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 20                         | 9059           | SLE005     | *03:01 |          | +         | +         | +         | +         | +         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 21                         | 9064           | AMALA      | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 22                         | 9056           | KOSE       | *02:01 | *13:01   | +         | -         | -         | +         | -         | -         | -         | -         |           | -         | -         | -         | +         | -         | -         | +         | - |  |
| 23                         | 9124           | IHL        | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 24                         | 9035           | JBUSH      | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 25                         | 9049           | IBW9       | *01:01 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | +         | - |  |
| 26                         | 9285           | WT49       | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 27                         | 9191           | CH1007     | *03:01 | *13:01   | +         | +         | +         | +         | +         | -         | -         | -         |           | -         | -         | -         | +         | -         | -         | +         | - |  |
| 28                         | 9320           | BEL5GB     | *02:01 | *04:01   | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 29                         | 9050           | MOU        | *02:01 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 30                         | 9021           | RSH        | *01:01 | *105:01  | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | +         | - |  |
| 31                         | 9019           | DUCAF      | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 32                         | 9297           | HAG        | *02:01 | *03:01   | +         | +         | +         | +         | +         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 33                         | 9098           | MT14B      | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 34                         | 9104           | DHIF       | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 35                         | 9302           | SSTO       | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 36                         | 9024           | KT17       | *05:01 |          | -         | -         | -         | -         | -         | -         | +         | +         |           | +         | -         | -         | -         | -         | -         | +         | - |  |
| 37                         | 9065           | HHKB       | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 38                         | 9099           | LZL        | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 39                         | 9315           | CML        | *04:01 | *14:01   | +         | +         | +         | +         | +         | +         | -         | -         |           | -         | -         | -         | -         | -         | +         | -         | - |  |
| 40                         | 9134           | WHONP199   | *05:01 |          | -         | -         | -         | -         | -         | -         | +         | +         |           | +         | -         | -         | -         | -         | -         | +         | - |  |
| 41                         | 9055           | H0301      | *05:01 |          | -         | -         | -         | -         | -         | -         | +         | +         |           | +         | -         | -         | -         | -         | -         | +         | - |  |
| 42                         | 9066           | TAB089     | *02:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 43                         | 9076           | T7526      | *13:01 |          | +         | -         | -         | +         | -         | -         | -         | -         |           | -         | -         | -         | +         | -         | -         | +         | - |  |
| 44                         | 9057           | TEM        | *04:01 |          | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 45                         | 9239           | SHJO       | *03:01 | *04:02   | +         | +         | +         | +         | +         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 46                         | 9013           | SCHU       | *04:02 |          | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 47                         | 9045           | TUBO       | *02:01 | *04:02   | -         | -         | -         | -         | -         | -         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |
| 48                         | 9303           | TER-ND     | *02:01 | *04:01   | -         | -         | -         | -         | -         | +         | -         | -         |           | -         | -         | -         | -         | -         | -         | -         | - |  |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

| CELL LINE VALIDATION SHEET |                |            |        |         |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|----------------|------------|--------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DPB1 SSP kit               |                |            |        |         |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                |            |        |         | Lot No.: | Well      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|                            |                |            |        |         |          | 33        | 34        | 35        | 36        | 37        | 38        | 39        | 40        | 41        | 42        | 43        | 44        | 45        | 46        | 47        | 48        |
|                            |                |            |        |         |          | 201317633 | 201184934 | 201184935 | 201184936 | 201294337 | 201317638 | 201184939 | 201184940 | 201294341 | 201317642 | 201317643 | 201294344 | 201184945 | 201184946 | 201184947 | 201184948 |
|                            | IHCW cell line |            | DPB1   |         |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                          | 9001           | SA         | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 2                          | 9280           | LK707      | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 3                          | 9011           | E4181324   | *02:01 | *04:01  | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 4                          | 9275           | GU373      | *04:02 | *17:01  | -        | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | +         |           |           |           |           |
| 5                          | 9009           | KAS011     | *04:01 | *14:01  | -        | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 6                          | 9353           | SM         | *05:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |           |           |           |           |
| 7                          | 9020           | QBL        | *02:02 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 8                          | 9025           | DEU        | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 9                          | 9026           | YAR        | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 10                         | 9107           | LKT3       | *05:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         |           |           |           |           |
| 11                         | 9051           | PITOUT     | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 12                         | 9052           | DBB        | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 13                         | 9004           | JESTHOM    | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 14                         | 9071           | OLGA       | *03:01 | *04:02  | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 15                         | 9075           | DKB        | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 16                         | 9037           | SWEIG007   | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 17                         | 9282           | CTM3953540 | *01:01 | *02:01  | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 18                         | 9257           | 32367      | *04:02 | *18:01  | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 19                         | 9038           | BM16       | *02:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 20                         | 9059           | SLE005     | *03:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 21                         | 9064           | AMALA      | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 22                         | 9056           | KOSE       | *02:01 | *13:01  | +        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 23                         | 9124           | IHL        | *02:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 24                         | 9035           | JBUSH      | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 25                         | 9049           | IBW9       | *01:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 26                         | 9285           | WT49       | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 27                         | 9191           | CH1007     | *03:01 | *13:01  | +        | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         | -         | -         |           |           |           |           |
| 28                         | 9320           | BEL5GB     | *02:01 | *04:01  | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 29                         | 9050           | MOU        | *02:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 30                         | 9021           | RSH        | *01:01 | *105:01 | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 31                         | 9019           | DUCAF      | *02:02 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 32                         | 9297           | HAG        | *02:01 | *03:01  | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 33                         | 9098           | MT14B      | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 34                         | 9104           | DHIF       | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 35                         | 9302           | SSTO       | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 36                         | 9024           | KT17       | *05:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |           |           |           |           |
| 37                         | 9065           | HHKB       | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 38                         | 9099           | LZL        | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 39                         | 9315           | CML        | *04:01 | *14:01  | -        | +         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 40                         | 9134           | WHONP199   | *05:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |           |           |           |           |
| 41                         | 9055           | H0301      | *05:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         |           |           |           |           |
| 42                         | 9066           | TAB089     | *02:02 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 43                         | 9076           | T7526      | *13:01 |         | +        | -         | -         | -         | -         | -         | -         | +         | -         | -         | -         | -         | -         |           |           |           |           |
| 44                         | 9057           | TEM        | *04:01 |         | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 45                         | 9239           | SHJO       | *03:01 | *04:02  | -        | -         | -         | -         | -         | -         | -         | -         | -         | +         | -         | -         | +         |           |           |           |           |
| 46                         | 9013           | SCHU       | *04:02 |         | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | -         |           |           |           |           |
| 47                         | 9045           | TUBO       | *02:01 | *04:02  | -        | -         | -         | -         | +         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |
| 48                         | 9303           | TER-ND     | *02:01 | *04:01  | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | +         |           |           |           |           |

101.311-24/04 – including *Taq* pol., IFU-01  
 101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
 “Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

## CERTIFICATE OF ANALYSIS

### Olerup SSP® DPB1 SSP

Product number: 101.311-24/04 – including *Taq* pol.  
 101.311-24u/04u – without *Taq* pol.  
 Lot number: 25S  
 Expiry date: 2015-November-01  
 Number of tests: 24 tests – Product No. 101.311-24/24u  
 4 tests – Product No. 101.311-04/04u  
 Number of wells per test: 48

### Well specifications:

| Well No. | Production No. | Well No. | Production No. | Well No. | Production No. |
|----------|----------------|----------|----------------|----------|----------------|
| 1        | 2011-849-01    | 17       | 2011-849-17    | 33       | 2013-176-33    |
| 2        | 2011-849-02    | 18       | 2011-849-18    | 34       | 2011-849-34    |
| 3        | 2012-943-03    | 19       | 2011-849-19    | 35       | 2011-849-35    |
| 4        | 2013-176-04    | 20       | 2011-849-20    | 36       | 2011-849-36    |
| 5        | 2011-849-05    | 21       | 2011-849-21    | 37       | 2012-943-37    |
| 6        | 2011-849-06    | 22       | 2013-176-22    | 38       | 2013-176-38    |
| 7        | 2013-176-07    | 23       | 2011-849-23    | 39       | 2011-849-39    |
| 8        | 2011-849-08    | 24       | 2011-849-24    | 40       | 2011-849-40    |
|          |                |          |                |          |                |
| 9        | 2011-849-09    | 25       | 2011-849-25    | 41       | 2012-943-41    |
| 10       | 2011-849-10    | 26       | 2011-849-26    | 42       | 2013-176-42    |
| 11       | 2011-849-11    | 27       | 2011-849-27    | 43       | 2013-176-43    |
| 12       | 2011-849-12    | 28       | 2013-176-28    | 44       | 2012-943-44    |
| 13       | 2011-849-13    | 29       | 2011-849-29    | 45       | 2011-849-45    |
| 14       | 2011-849-14    | 30       | 2011-849-30    | 46       | 2011-849-46    |
| 15       | 2011-849-15    | 31       | 2012-053-31    | 47       | 2011-849-47    |
| 16       | 2011-849-16    | 32       | 2013-176-32    | 48       | 2011-849-48    |

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 41, 42, 44 and 46 were available. In primer solutions 41, 42 and 46 it was only possible to test the 5'-primers, the 3'-primers were not possible to test. In primer solution 44 it was only possible to test the 3'-primers, the 5'-primers were not possible to test. In primer solutions 15, 16, 23, 25, 26, 32, 33 and 38 one or two 5'-primers were not possible to test. In primer solutions 8, 11, 24, 28, 29 and 48 one 3'-primer was not possible to test. Additional primers in primer solutions 14, 38, 40, 43, 47 and 48 were tested by separately adding 5'-primers or 3'-primers.

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

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

**Date of approval:** 2013-June-03

**Approved by:**

**Production Quality Control**

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

### Declaration of Conformity

**Product name:** Olerup SSP® DPB1  
**Product number:** 101.311-24/04, -24u/04u  
**Lot number:** 25S

**Intended use:** DPB1 high resolution histocompatibility testing

**Manufacturer:** Olerup SSP AB  
Franzengatan 5  
SE-112 51 Stockholm, 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 9001:2008 and ISO 13485:2012, following the provisions of the 98/79/EC Directive on *in vitro* diagnostic medical devices, Annex III, as transposed into the national laws of the Member States of the European Union.

The Technical Documentation File is maintained at Olerup SSP AB, Franzengatan 5, SE-112 51 Stockholm, Sweden.

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

Stockholm, Sweden  
2013-June-03

Ann-Cathrin Jareman  
Head of QA and Regulatory Affairs

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

101.311-24/04 – including *Taq* pol., IFU-01  
101.311-24u/04u – without *Taq* pol., IFU-02

Visit [www.olerup-ssp.com](http://www.olerup-ssp.com) for  
“Instructions for Use” (IFU)

Lot No.: **25S**

Lot-specific information

**ADDRESSES:**

**Manufacturer:**

**Olerup SSP AB**, Franzengatan 5, SE-112 51 Stockholm, Sweden.

**Tel:** +46-8-717 88 27

**Fax:** +46-8-717 88 18

**E-mail:** [info-ssp@olerup.com](mailto:info-ssp@olerup.com)

**Web page:** <http://www.olerup-ssp.com>

**Distributed by:**

**Olerup GmbH**, Löwengasse 47 / 6, AT-1030 Vienna, Austria.

**Tel:** +43-1-710 15 00

**Fax:** +43-1-710 15 00 10

**E-mail:** [support-at@olerup.com](mailto:support-at@olerup.com)

**Web page:** <http://www.olerup.com>

**Olerup Inc.**, 901 S. Bolmar St., Suite R, West Chester, PA 19382

**Tel:** 1-877-OLERUP1

**Fax:** 610-344-7989

**E-mail:** [info.us@olerup.com](mailto:info.us@olerup.com)

**Web page:** <http://www.olerup.com>

For information on *Olerup* SSP distributors worldwide, contact **Olerup GmbH**.