

101.212-24 – including *Taq* polymerase

101.212-24u – without *Taq* polymerase

Lot No.: **84Y**

## Olerup SSP® DQB1\*06

**Product number:** 101.212-24/04 – including *Taq* pol.  
101.212-24u/04u – without *Taq* pol.

**Lot number:** 84Y

**Expiry date:** 2018-April-01

**Number of tests:** 24 tests – Product No. 101.212-24/24u  
4 tests – Product No. 101.212-04/04u

**Number of wells per test:** 61+1

### CHANGES COMPARED TO THE PREVIOUS DQB1\*06 LOT (93X).

| Well | 5'-primer | 3'-primer | rationale   |
|------|-----------|-----------|---|
| 1    | -         | Added     | 3'-primer added for the DQB1*06:01:13 allele.   |
| 2    | -         | Added     | 3'-primer added for the DQB1*06:01:13 allele.   |
| 6    | -         | Added     | 3'-primer added for the DQB1*06:03:15 allele.   |
| 12   | -         | Added     | 3'-primer added for the DQB1*06:170 allele.   |
| 16   | -         | Modified  | 3'-primer modified for improved HLA-specific amplification.                                 |
| 18   | -         | Added     | 3'-primer added for the DQB1*06:171 allele.   |
| 19   | -         | Added     | 3'-primer added for the DQB1*06:171 allele.   |
| 21   | -         | Added     | 3'-primer added for the DQB1*06:02:19 allele.   |
| 22   | Added     | -         | 5'-primer added for the DQB1*06:158N allele.  |
| 23   | -         | Added     | 3'-primer added for the DQB1*06:03:15 allele.   |
| 24   | -         | Added     | 3'-primer added for the DQB1*06:19:02 allele.   |
| 25   | Removed   | -         | 5'-primer removed for improved HLA-specific amplification.                                  |
| 29   | Added     | -         | 3'-primer added for the DQB1*06:04:10 allele.   |
| 42   | -         | Added     | 3'-primer added for the DQB1*06:170 allele.   |
| 46   | -         | Added     | 3'-primer added for the DQB1*06:163 allele.   |
| 50   | -         | -         | Exchanged positive control primer pair for decreased tendency of primer oligomer formation. |
| 52   | -         | Added     | 3'-primer added for the DQB1*06:155 allele.   |
| 56   | Added     | Added     | Primer pair added for the DQB1*06:99:02 allele.   |
| 57   | Added     | -         | 5'-primers added for the DQB1*06:158N and DQB1*06:118:02 alleles.                           |
| 58   | Added     | Added     | Primer pair added for the DQB1*06:153 allele.   |
| 59   | -         | Added     | 3'-primer added for the DQB1*06:163 allele.   |
| 60   | Added     | -         | 5'-primer added for the DQB1*06:179N allele.  |
| 62   | -         | -         | Updated negative control.   |

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

DQB1\*06:01 to DQB1\*06:182, i.e. all the currently recognized DQB1\*06 alleles, will be amplified by the primers in the DQB1\*06<sup>1</sup> subtyping kit; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-August-11, release 3.21.1.

The DQB1\*06 kit enables separation of the confirmed DQB1\*06 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

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The DQB1\*06 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

The following DQB1\*06 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

| Alleles            | Primer mix | Alleles              | Primer mix |
|--------------------|------------|----------------------|------------|
| DQB1*06:33, 06:114 | 27         | DQB1*06:91, 06:128   | 48         |
| DQB1*06:70, 06:75  | 40         | DQB1*06:97, 06:124   | 45         |
| DQB1*06:83, 06:125 | 20         | DQB1*06:134, 06:144N | 50         |

The DQB1\*06 subtyping kit cannot distinguish the silent mutations in the DQB1\*06:01:01, 06:01:03-06:01:06, 06:01:08-06:01:11 and 06:01:13-06:01:15 alleles, the DQB1\*06:01:02, 06:01:07 and 06:01:12 alleles, the DQB1\*06:02:01-06:02:04, 06:02:06 and 06:02:08-06:02:24 alleles, the DQB1\*06:03:01-06:03:03, 06:03:05-06:03:06 and 06:03:11-06:03:18 alleles, the DQB1\*06:03:04 and 06:03:08-06:03:10, the DQB1\*06:04:01 and 06:04:03-06:04:10 alleles, the DQB1\*06:08:02-06:08:03 alleles, the DQB1\*06:09:03 and 06:09:05-06:09:06 alleles, the DQB1\*06:11:02-06:11:03 alleles, the DQB1\*06:13:01-06:13:02 alleles, the DQB1\*06:15:01-06:15:02 alleles, the 06:19:01-06:19:02 alleles, the DQB1\*06:22:01 and 06:22:03, the DQB1\*06:27:01-06:27:02 alleles or the DQB1\*06:79:01-06:79:02 alleles.

<sup>1</sup> Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page <http://hla.alleles.org/alleles/deleted.html>.

#### **RESOLUTION IN DQB1\*06 HOMO- AND HETEROZYGOTES:**

Very good.

#### **INFLUENCE ON THE INTERPRETATION OF DQB1\*06 SUBTYPINGS BY NON-DQB1\*06 ALLELES:**

None of importance.

#### **MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No comments received.