

**101.214-24/06 – including *Taq* polymerase**  
**101.214-24u/06u – without *Taq* polymerase**

**Lot No.: 69Y**

## **Olerup SSP® DQB1\*03**

**Product number:** 101.214-24/06 – including *Taq* pol.  
101.214-24u/06u – without *Taq* pol.  
**Lot number:** 69Y  
**Expiry date:** 2018-March-01  
**Number of tests:** 24 test – Product No. 101.214-24/24u  
6 tests – Product No. 101.214-06/06u  
**Number of wells per test:** 58+1

### **CHANGES COMPARED TO THE PREVIOUS DQB1\*03 LOT (94X):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
3	-	Added	3'-primers added for the DQB1*03:02:10 and DQB1*03:02:14 alleles.
9	-	Added	3'-primer added for the DQB*03:119 allele.
21	Modified	-	5'-primer modified for improved HLA-specific amplification.
35	-	Added	3'-primer added for the DQB1*03:117 allele.
43	-	Added	3'-primer added for the DQB1*03:97 allele.
44	Added	-	5'-primer added for improved resolution of the DQB1*03:78 allele.
48	Added	Added	Negative control moved to well 59, primer pairs added for the DQB1*03:105, DQB1*03:106 and 03:109 alleles.
49	New	New	New primer pairs added for the DQB1*03:94 and DQB1*03:164 alleles.
50	New	New	New primer pairs for the DQB1*03:98 and DQB1*03:165 alleles.
51	New	New	New primer pairs added for the DQB1*03:90N and DQB1*03:115 alleles.
52	New	New	New primer pairs for the DQB1*03:99, DQB1*03:118N and DQB1*03:162 alleles.
53	New	New	New primer pairs added for the DQB1*03:130, DQB1*03:139 and DQB1*03:162 alleles.
54	New	New	New primer pairs added for the DQB1*03:91Q and 03:158 alleles.
55	New	New	New primer pairs added for the DQB1*03:102 and DQB1*03:114 alleles.
56	New	New	New primer pairs added for the DQB1*03:95N and DQB1*03:116 alleles.
57	New	New	New primer pairs added for the DQB1*03:169 allele.
58	New	New	New primer pairs added for the DQB1*03:102 allele.
59	-	-	Negative control added from well 48.

**THE NUMBER OF WELLS** is increased from 48 to 59 wells.

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#### ALLELE COVERAGE:

DQB1\*03:01 to DRB1\*03:180, i.e. all the currently recognized DQB1\*03 alleles, will be amplified by the primers in the DQB1\*03 subtyping kit<sup>1</sup>, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-April-17<sup>1</sup>, release 3.20.0.

The DQB1\*03 kit enables separation of the confirmed DQB1\*03 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. Current allele confirmation status for DQB1\*03 alleles is listed below.

The DQB1\*03 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\*03 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DQB1*03:40, 03:137	9

The DQB1\*03 subtyping kit cannot distinguish the following silent mutations: the DQB1\*03:01:01:01-03:01:02, 03:01:04-03:01:07, 03:01:09-03:01:12, 03:01:14, 03:01:16-03:01:20, the DQB1\*03:01:13 and 03:01:15, the DQB1\*03:02:01-03:02:09, the DQB1\*03:03:02:01-03:03:05 and DQB1\*03:03:07, the DQB1\*03:05:01-03:05:04, the DQB1\*03:14:01-03:14:02 and the DQB1\*03:17:01-03:17:02 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\*03 HOMOZYGOTES:

Good.

#### INFLUENCE ON THE INTERPRETATION OF DQB1\*03 SUBTYPINGS BY NON-DQB1\*03 ALLELES:

None of importance.

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

In primer mix 21, the 5'-primer was modified for improved HLA-specific amplification. In primer mix 44, a 5'-primer was added for improved resolution of the DQB1\*03:78 allele.