

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

Lot No.: **0F9**

## Olerup SSP® DQB1\*03

**Product number:** 101.214-24/06 – including *Taq* pol.  
101.214-24u/06u – without *Taq* pol.

**Lot number:** 0F9

**Expiry date:** 2019-11-01

**Number of tests:** 24 test – Product No. 101.214-24/24u  
6 tests – Product No. 101.214-06/06u

**Number of wells per test:** 62+1

### CHANGES COMPARED TO THE PREVIOUS DQB1\*03 LOT (4D9):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the DQB1*03:01:34 allele.
2	-	Added	3'-primer added for the DQB1*03:01:34 allele.
5	Modified	Modified	5'-and 3'-primers modified for increased yield.
12	-	Added	3'-primer added for the DQB1*03:01:34 allele.
13	-	Added	3'-primer added for the DQB1*03:232 allele.
16	-	Added	3'-primer added for the DQB1*03:01:34 allele.
23	-	Added	3'-primer added for the DQB1*03:239 allele.
25	Added	-	5'-primer added for the DQB1*03:237N allele.
28	Added	-	5'-primer added for the DQB1*03:225 allele.
29	Added	-	5'-primer added for the DQB1*03:243 allele.
30	Added	-	5'-primer added for the DQB1*03:150 allele.
34	-	Modified, moved	3'-primer modified for decreased tendency of primer oligomer formation and improved HLA-specific amplification, 3'-primer moved well 62.
35	Added	-	5'-primer added for the DQB1*03:205 allele.
36	Added	-	5'-primer added for the DQB1*03:205 allele.
37	Added	-	5'-primer added for the DQB1*03:225 allele.
38	-	Added	3'-primer added for the DQB1*03:232 allele.
39	-	Added	3'-primers added for the DQB1*03:239 and DQB1*03:240 alleles.
40	-	Added	3'-primers added for the DQB1*03:212 and DQB1*03:228 alleles.
41	Added	-	5'-primer added for the DQB1*03:201 allele.
42	Added	-	5'-primer added for the DQB1*03:201 allele.
44	Added	-	5'-primer added for the DQB1*03:199 allele.
45	Added	-	5'-primer added for the DQB1*03:200 allele.
50	-	-	Exchange of positive control primer pair for decreased tendency of primer oligomer formation.
51	-	Added	3'-primers added for the DQB1*03:228 and DQB1*03:240 alleles.
52	Added	-	5'-primer added for the DQB1*03:200 allele.
53	Added	-	5'-primer added for the DQB1*03:199 allele.
54	Added	-	5'-primer added for the DQB1*03:207 allele.

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56	Added	-	5'-primers added for the DQB1*03:150 and DQB1*03:243 alleles.
60	Added	Added	Negative Control moved to well 63, primer pair added for the DQB1*03:132 allele.
61	New	New	New primer pair added for the DQB1*03:221 allele.
62	Added	Added	Primer pair added from well 34.
63	-	-	Negative Control added from well 60.

**THE NUMBER OF WELLS** is increased from 60 to 63 wells.

**ALLELE COVERAGE:**

DQB1\*03:01 to DQB1\*03:243, 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), 2016-October-14<sup>1</sup>, release 3.26.0.

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
DQB1*03:169, 03:196	57

<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:**

No comments received.