

DQB1*03

101.214-24/06 – including *Taq* polymerase

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

Lot No.: **6F6**

Olerup SSP[®] DQB1*03

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

Lot number: 6F6

Expiry date: 2020-06-01

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

Number of wells per test: 63+1

CHANGES COMPARED TO THE PREVIOUS DQB1*03 LOT (0F9):

Well	5'-primer	3'-primer	rationale
13	-	Added	3'-primers added for the DQB1*03:01:36 and DQB1*03:255 alleles.
16	Added	-	5'-primer added for the DQB1*03:03:15 allele.
19	-	Modified, added	3'-primer modified for increased yield, 3'-primer added for the DQB1*03:01:36 allele.
20	Added	-	5'-primer added for the DQB1*03:246 allele.
29	Added	-	5'-primer added for the DQB1*03:245 allele.
30	-	-	Strength of control band has been optimized.
31	-	Added	3'-primer added for the DQB1*03:255 allele.
33	Added	-	5'-primer added from well 45 for improved HLA-specific amplification.
34	-	-	Strength of control band has been optimized.
36	Added	-	5'-primer added for the DQB1*03:269N allele.
38	-	Added	3'-primer added for the DQB1*03:194 allele.
41	Added	-	5'-primer added for the DQB1*03:269N allele.
43	-	Added	3'-primer added for the DQB1*03:247 allele.
45	Moved	-	5'-primer moved to well 33 for improved HLA-specific amplification.
48	Exchanged	-	5'-primer exchanged for decreased tendency of primer oligomer formation.
50	-	-	Exchange of positive control primer pair for improved HLA-specific amplification.
51	-	Added	3'-primer added for the DQB1*03:239 allele.
56	Moved	Moved	Primer pair moved to well 63 for decreased tendency of primer oligomer formation.
57	Added	-	5'-primer added for the DQB1*03:246 allele.
62	-	Added	3'-primer added for the DQB1*03:247 allele.
63	Added	Added	Negative control moved to well 63, primer pair added from well 56 for decreased tendency of primer oligomer formation.
64	-	-	Negative control added from well 63.

THE NUMBER OF WELLS is increased from 63 to 64 wells.

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ALLELE COVERAGE:

DQB1*03:01 to DQB1*03:269N, i.e. all the currently recognized DQB1*03 alleles, will be amplified by the primers in the DQB1*03 subtyping kit^{1,3}, www.ebi.ac.uk/imgt/hla, 2017-August-10^{1,2}, release 3.29.0.

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 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

¹Alleles 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>.

²The HLA-DQB1*03 primer set cannot separate the DQB1*03:25:01 from the DQB1*04:03:03 alleles. These alleles can be distinguished by the DQ low resolution kit and/or the HLA-DQB1*04 high resolution kit.

³The HLA-DQB1*03 primer set cannot separate the DQB1*03:25:01 from the DQB1*04:03:03 alleles. These alleles can be distinguished by the DQ low resolution kit and/or the HLA-DQB1*04 high resolution kit.

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.