

Olerup SSP[®] DQB1*03

Product number:	101.214-24/06 – including <i>Taq</i> pol. 101.214-24u/06u – without <i>Taq</i> pol.
Lot number:	7G4
Expiry date:	2021-04-01
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 (6F6):

Well	5'-primer	3'-primer	rationale
4	-	Added	3'-primers added for the DQB1*03:03:16 allele.
13	-	Removed	Redundant 3'-primer removed.
15	-	Added	3'-primers added for the DQB1*03:03:16 allele.
16	-	Added	3'-primers added for the DQB1*03:03:16 allele.
19	-	-	Positive control primer pair exchanged. Primers have been optimized for improved HLA-specific amplification.
30	-	-	Positive control primer pair exchanged for decreased tendency of primer oligomer formation.
41	Added	-	5'-primer added for the DQB1*03:282N allele.
45	Added	-	5'-primer added for the DQB1*03:282N allele.
46	-	-	Positive control primer pair exchanged for decreased tendency of primer oligomer formation.
61	Added	Added	Primer pair added from well 63.
63	Moved Added	Moved Added	Primer pair moved to well 61, primer pair added for the DQB1*03:276N allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DQB1*03:01 to DQB1*03:282N, i.e. all the currently recognized DQB1*03 alleles, will be amplified by the primers in the DQB1*03 subtyping kit^{1,2}, www.ebi.ac.uk/imgt/hla, 2018-July-11, release 3.33.0.

The DQB1*03 kit enables separation of the confirmed DQB1*03 alleles as listed in the IMGT/HLA database 3.29.0. 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.

The DQB1*03 also enables identification of null and alternatively expressed alleles.

DQB1*03

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

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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.

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.