

DQB1*05

101.211-24 – including *Taq* polymerase

101.211-24u – without *Taq* polymerase

Lot No.: 1F7

Olerup SSP[®] DQB1*05

Product number: 101.211-24 – including *Taq* polymerase
 101.211-24u – without *Taq* polymerase

Lot number: 1F7

Expiry date: 2019-12-01

Number of tests: 24

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS DQB1*05 LOT (1D6):

Well	5'-primer	3'-primer	rationale
7	Modified, added	-	5'-primer modified for improved HLA specific amplification, 5'-primer added for the DQB1*05:112 allele.
13	-	Added	3'-primer added for the DQB1*05:128N allele.
14	-	Added	3'-primer added for the DQB1*05:101 allele.
17	Added	-	5'-primer added for the DQB1*05:106 allele.
18	-	Exchanged /moved, added	3'-primer exchanged and moved to wells 21 and 27 for improved HLA-specific amplification, 3'-primer added for the DQB1*05:128N allele.
19	-	Exchanged	3'-primer exchanged for improved allelic resolution.
20	Added	-	5'-primer added for the DQB1*05:106 allele.
21	Exchanged /added	-	5'-primer exchanged and added from well 18 for improved HLA-specific amplification.
23	-	Modified, added	3'-primer modified for improved HLA-specific amplification and decreased tendency of primer oligomer formation, 3'-primer added for the DQB1*05:97 allele.
24	-	Added	3'-primer added for the DQB1*05:98 allele.
25	Added	-	5'-primers added for the DQB1*05:111 and DQB1*05:112 alleles.
26	-	Added	3'-primer added for the DQB1*05:103 allele.
27	Added, exchanged/ added	-	5'-primer added for the DQB1*05:110N allele, 5'-primer exchanged and added from well 18 for improved HLA-specific amplification.
28	-	Added	3'-primer added for the DQB1*05:107 allele.
29	Added	Added	Negative Control moved to well 32, primer pair added for improved allelic resolution.
30	New	New	New primer pairs added for the DQB1*05:51, DQB1*05:105 and DQB1*05:111 alleles.
31	New	New	New primer pair added for the DQB1*05:102 allele.
32	-	-	Negative Control added from well 29.

THE NUMBER OF WELLS is increased from 29 to 32 wells.

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ALLELE COVERAGE:

DQB1*05:01 to DQB1*05:131, i.e. all the currently recognized DQB1*05 alleles, will be amplified by the primers in the DQB1*05 subtyping kit¹, www.ebi.ac.uk/imgt/hla, 2016-October-14¹, release 3.26.0.

The DQB1*05 kit enables separation of the confirmed DQB1*05 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.

The DQB1*05 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*05 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DQB1*05:27, 05:29	8
DQB1*05:35, 05:117	11

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>.

RESOLUTION IN DQB1*05 HOMO- AND HETEROZYGOTES:

Very good.

INFLUENCE ON THE INTERPRETATION OF DQB1*05 SUBTYPINGS BY NON-DQB1*05 ALLELES:

None.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.