

101.211-24 – including *Taq* polymerase

101.211-24u – without *Taq* polymerase

Lot No.: **1D6**

Olerup SSP® DQB1*05

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

Lot number: 1D6

Expiry date: 2018-07-01

Number of tests: 24

Number of wells per test: 28+1

CHANGES COMPARED TO THE PREVIOUS DQB1*05 LOT (59X):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the DQB1*05:01:16 allele.
2	Added	-	5'-primer added for the DQB1*05:01:16 allele.
3	-	Added	3'-primer added for the DQB1*05:02:13 allele.
4	-	Added	3'-primer added for the DQB1*05:03:12 allele.
7	Added	-	5'-primers added for the DQB1*05:06:02 and DQB1*05:52 alleles.
8	Added	-	5'-primer added for the DQB1*05:87Q allele.
10	-	Added	3'-primer added for the DQB1*05:71 allele.
11	Added	-	5'-primer added for the DQB1*05:96 allele.
12	Added	-	5'-primer added for the DQB1*05:96 allele.
13	-	Modified, added	3'-primer modified for improved HLA-specific amplification, 3'-primer added for the DQB1*05:49 allele.
14	-	Added	3'-primers added for the DQB1*05:69 and DQB1*05:73 alleles.
15	Added	Added	Primer pair added for the DQB1*05:03:14 allele.
16	Modified	-	5'-primer modified for improved HLA-specific amplification.
17	Added	-	5'-primer added for the DQB1*05:90N allele.
18	-	Added	3'-primers added for the DQB1*05:72 and DQB1*05:88 alleles.
19	Added	-	5'-primer added for the DQB1*05:60 allele.
20	Added	-	5'-primer added for the DQB1*05:57 allele.
21	Added	-	5'-primers added for the DQB1*05:63 and DQB1*05:82 alleles.
23	-	Modified	3'-primer modified for improved HLA-specific amplification.
24	Added	Added	Updated negative control moved to well 29, primer pairs added for the DQB1*05:71 and DQB1*05:80 alleles.
25	New	New	New primer pair added for the DQB1*05:75 allele.
26	New	New	New primer pair added for the DQB1*05:78 allele.
27	New	New	New primer pair added for the DQB1*05:79 allele.
28	New	New	New primer pair added for the DQB1*05:56 allele.
29	-	-	Updated negative control added from well 24.

THE NUMBER OF WELLS is increased from 24 to 29 wells.

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ALLELE COVERAGE:

DQB1*05:01 to DQB1*05:96, 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, 2015-August-11¹, release 3.21.1.

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 DQB1*05 subtyping kit cannot distinguish the silent mutations in the DQB1*05:01:01:01-05:01:08 and DQB1*05:01:11-05:01:20 alleles, the DQB1**05:01:09-05:01:10 alleles, the DQB1*05:02:01 and 05:02:03-05:02:13 alleles, the DQB1*05:03:01:01-05:03:05, 05:03:07-05:03:13 and 05:03:15-05:03:16 alleles, the DQB1*05:05:01-05:05:02 alleles, the DQB1*05:06:01-05:06:02 or the DQB1*05:11:01-05:11:02 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

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.