Olerup SSP® DQB1*02

Product number:	**101.213-24 – including *Taq* polymerase** **101.213-24u – without *Taq* polymerase**
Lot number:	**4L6**
Expiry date:	**2024-10-01**
Number of tests:	**24**
Number of wells per test:	**31+1**

CHANGES COMPARED TO THE PREVIOUS DQB1*02 LOT (7H7):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the *02:01:34 allele.
18	Moved	-	5'-primer moved to mix 30 for improved HLA-specific amplification.
19	Added	-	5'-primer added from mix 26.
25	-	Added	3'-primer added for the allele *02:63.
26	Moved/Added	Removed/Added	5'-primer moved to mix 19, 3'-primer removed. Primer pair added for the *02:163N allele.
27	-	-	Control exchange for reducing tendency of primer oligomer formation.
29	-	Added	3'-primer added for *02:63.
30	Added	-	5'-primer added from mix 18.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:
DQB1*02:01 to DQB1*02:171Q, i.e. all the currently recognized DQB1*02 alleles, will be amplified by the primers in the DQB1*02 subtyping kit[1]; www.ebi.ac.uk/imgt/hla, 2020-April-20, release 3.40.0.

The DQB1*02 kit enables separation of the confirmed DQB1*02 alleles as listed in the IMGT/HLA database 3.26.0. 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*02 kit also enables identification of many null and alternatively expressed alleles.

The following DQB1*02 alleles can be distinguished by the different sizes of the specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DQB1*02:07:01-02:07:02, 02:16	9	DQB1*02:21, 02:35	15
DQB1*02:09, 02:24	11	DQB1*02:27, 02:28	22
DQB1*02:18N, 02:34	14	DQB1*02:29, 02:58N	30
DQB1*02:20N, 02:22	16	DQB1*02:41, 02:53Q	23

[1]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*02 HOMO- AND HETEROZYGOTES:
Very good.

INFLUENCE ON THE INTERPRETATION OF DQB1*02 SUBTYPINGS BY NON-DQB1*02 ALLELES:
None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.