

Olerup SSP® DQB1*02

Product number:	101.213-24 – including <i>Taq</i> polymerase 101.213-24u – without <i>Taq</i> polymerase
Lot number:	7H7
Expiry date:	2021-11-01
Number of tests:	24
Number of wells per test:	31+1

CHANGES COMPARED TO THE PREVIOUS DQB1*02 LOT (6G3):

Well	5'-primer	3'-primer	rationale
8	-	Added	3'-primer added for improved yield of the DRB1*02:10 allele.
22	Removed	Removed	Redundant primer pair removed.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DQB1*02:01 to DQB1*02:112, i.e. all the currently recognized DQB1*02 alleles, will be amplified by the primers in the DQB1*02 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2018-October-18, release 3.34.0.

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 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*02:20N, 02:22	16
DQB1*02:09, 02:24	11	DQB1*02:21, 02:35	15
DQB1*02:15, 02:29	18	DQB1*02:27, 02:28	22
DQB1*02:18N, 02:34	14	DQB1*02:41, 02:53Q	23

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*02 HOMO- AND HETEROZYGOTES:

Very good.

101.213-24 – including *Taq* polymerase

101.213-24u – without *Taq* polymerase

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INFLUENCE ON THE INTERPRETATION OF DQB1*02 SUBTYPINGS BY NON-DQB1*02 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 8, a 3'-primer was added for improved yield of the DQB1*02:10 allele.