

Olerup SSP® DQB1*05

Product number:	101.211-24 – including <i>Taq</i> polymerase 101.211-24u – without <i>Taq</i> polymerase
Lot number:	8L8
Expiry date:	2025-02-01
Number of tests:	24
Number of wells per test:	31+1

CHANGES COMPARED TO THE PREVIOUS DQB1*05 LOT (7K2):

Well	5'-primer	3'-primer	rationale
14	-	Added	3'-primer added for the DQB1*05:58 allele.
18	-	Added	3'-primer added for the DQB1*05:58 allele.
24	-	Exchanged	3'-primer exchanged for increased HLA-specific amplification.
31	Added	Added	Primer pair added for the DQB1*05:67 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DQB1*05:01 to DQB1*05:254, 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, 2020-July-13, release 3.41.0.

The DQB1*05 kit enables separation of the confirmed DQB1*05 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*05 also enables identification of many 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	Alleles	Primer mix
DQB1*05:12, 05:242	10	DQB1*05:35, 05:117	11
DQB1*05:16, 05:101	14	DQB1*05:45, 05:169, 05:182	11
DQB1*05:20, 05:159	16	DQB1*05:110N, 05:156	27

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>.



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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.

Changes in revision R01 compared to R00:

1. Primer mix 8 does not amplify the DQB1*05:27 and DQB1*03:420 alleles. This correction has been implemented in the Specificity and Interpretation tables.

