•LERUP SSP

DQB1\*03 Release Note

101.214-24/06 – including *Taq* polymerase 101.214-24u/06u – without *Taq* polymerase

Lot No.: 4N9

# Olerup SSP® DQB1\*03

Product number: 101.214-24/06 – including *Taq* pol.

101.214-24u/06u - without *Tag* pol.

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Lot number: 4N9

Expiry date: 2025-10-01

Number of tests: 24 test – Product No. 101.214-24/24u

6 tests - Product No. 101.214-06/06u

Number of wells per test: 63+1

# Changes compared to the previous DQB1\*03 Lot (8L9):

Well	5'-primer	3'-primer	rationale
11	-	Added	3'-primer added for the *03:10:03 allele.
23	-	Added	3'-primer added for the *03:45:02 allele.
59	-	Added	3'-primer added for the *03:10:03 allele.

THE NUMBER OF WELLS is unchanged.

## **A**LLELE COVERAGE:

DQB1\*03:01 to DQB1\*03:466, i.e. all the currently recognized DQB1\*03 alleles, will be amplified by the primers in the DQB1\*03 subtyping kit<sup>1,2</sup>, <a href="www.ebi.ac.uk/imgt/hla">www.ebi.ac.uk/imgt/hla</a>, 2021-July-12, release 3.45.0.

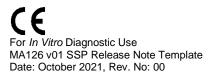
The DQB1\*03 kit enables separation of the confirmed DQB1\*03 alleles as listed in the IMGT/HLA database 3.29.0. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The DQB1\*03 also enables identification of many null and alternatively expressed alleles.

The following DQB1\*03 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DQB1*03:35, 03:328	29
DQB1*03:49:01-03:49:02, 03:329	43
DQB1*03:97, 03:402	43
DQB1*03:169, 03:196	57
DQB1*03:190, 03:287	35
DQB1*03:245, 03:315	29
DQB1*03:286, 03:381	43

<sup>&</sup>lt;sup>1</sup>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 <a href="http://hla.alleles.org/alleles/deleted.html">http://hla.alleles.org/alleles/deleted.html</a>.



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<sup>2</sup>The following alleles cannot be separated by the HLA-DQB1\*03 primer set. These alleles can be distinguished by the DQ low resolution kit and/or the HLA-DQB1\*04 high resolution kit.

#### **Alleles**

DQB1\*03:25:01, DQB1\*04:03:03 DQB1\*03:72, 03:100, DQB1\*04:63 DQB1\*03:132, DQB1\*04:75

## **RESOLUTION IN DQB1\*03 HOMOZYGOTES:**

Good.

INFLUENCE ON THE INTERPRETATION OF DQB1\*03 SUBTYPINGS BY NON-DQB1\*03 ALLELES:

None of importance.

## MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.