

## Olerup SSP<sup>®</sup> DQB1\*03

<b>Product number:</b>	101.214-24/06 – including <i>Taq</i> pol. 101.214-24u/06u – without <i>Taq</i> pol.
<b>Lot number:</b>	9R9
<b>Expiry date:</b>	2027-10-01
<b>Number of tests:</b>	24 test – Product No. 101.214-24/24u 6 tests – Product No. 101.214-06/06u
<b>Number of wells per test:</b>	63+1

### Changes compared to the previous DQB1\*03 Lot (4R2):

The primers of the wells detailed below have been exchanged, added or modified compared to the previous lot.

Well	5'-primer	3'-primer	rationale
46	-	-	Exchanged positive control primer pair.
57	Added	-	5'-primer added for improved yield of the DQB1*03:196 allele.

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

DQB1\*03:01 to DQB1\*03:513, 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>, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2023-July-12, release 3.53.0.

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*03:49:01:01-03:49:01:02, 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>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 <http://hla.alleles.org/alleles/deleted.html>.



**DQB1\*03**

**101.214-24/06 – including *Taq* polymerase**

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

**Lot No.: 9R9**

<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:**

In primer mix 57, a 5'-primer has been added for improved yield of the DQB1\*03:196 allele.

