

## **Olerup SSP® DQB1\*04**

**Product number:** 101.215-12 – including *Taq* polymerase  
 101.215-12u – without *Taq* polymerase

**Lot number:** 5E2

**Expiry date:** 2019-04-01

**Number of tests:** 12

**Number of wells per test:** 18+1

**CHANGES COMPARED TO THE PREVIOUS DQB1\*04 LOT (26Y):**

Well	5'-primer	3'-primer	rationale
11	Modified	-	5'-primer modified for increased yield of the DQB1*03:22 allele.
15	Modified	-	5'-primer modified for increased yield of the DQB1*03:22 allele.
16	Added	Added	Negative control moved to well 19, primer pair added for the DQB1*04:27 allele.
17	New	New	New primer pair added for the DQB1*04:33 allele.
18	New	New	New primer pair added for the DQB1*04:36N allele.
19	-	-	Negative control added from well 16.

**THE NUMBER OF WELLS** is increased from 16 to 19 wells.

**ALLELE COVERAGE:**

DQB1\*04:01 to DQB1\*04:36N, i.e. all the currently recognized DQB1\*04 alleles, give rise to unique amplification patterns<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-July-14, release 3.25.0.

The following DQB1\*04 alleles can be distinguished by the different sizes of the specific PCR product:

Alleles	Primer mix
DQB1*04:04, 04:12	5
DQB1*04:05, 04:06	5

The DQB1\*04 subtyping kit cannot distinguish the silent mutations in the DQB1\*04:01:01-04:01:04 alleles, the DQB1\*04:02:01-04:02:07 or the DQB1\*04:02:09-04:02:10 alleles.

<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>.

**RESOLUTION IN DQB1\*04 HOMO- AND HETEROZYGOTES:**

Excellent.

**INFLUENCE ON THE INTERPRETATION OF DQB1\*04 SUBTYPINGS BY NON-DQB1\*04 ALLELES:**

None.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No modifications made.