

Lot No.: 55R

## Olerup SSP<sup>®</sup> DQB1 high resolution for frequent alleles

Product number: 101.221-12 – including *Taq* polymerase  
101.221-12u – without *Taq* polymerase  
Lot number: 55R  
Expiry date: 2015-June-01  
Number of tests: 12 tests  
Number of wells per test: 63 + 1

### CHANGES COMPARED TO THE PREVIOUS DQB1 HIGH RESOLUTION LOT (85N):

Well	5'-primer	3'-primer	rationale
11	Modified	Modified	Increased yield of HLA-specific PCR product for the DQB1*03:05:02 allele.
12	-	Added	3'-primer added for the DQB1*03:40 allele.
41	Added	-	5'-primer added for the DQB1*06:52 allele.
42	-	Added	3'-primer added for the DQB1*03:41 allele.
44	Added	Added	Primer pair added for the DQB1*03:42 allele.
47	Added	Added	Primer pair added for the DQB1*03:42 allele.
48	Added	-	5'-primer added for the DQB1*03:43 allele.
52	Added	Added	Primer pair added for the DQB1*06:49 allele.
57	Added	Added	Primer pair added for the DQB1*02:07 allele.
59	Added	-	5'-primer added for the DQB1*03:44 allele.
60	Moved, added	Moved, added	Negative control moved to well 64, new primer pair for the DQB1*05:15 allele.
61	New	New	New primer pair for the DQB1*05:16 allele.
62	New	New	New primer pair for the DQB1*06:48 allele.
63	New	New	New primer pair for the DQB1*06:50 allele.
64	New	New	Negative control from well 60.

THE NUMBER OF WELLS has been increased from 60 to 64.

#### ALLELE COVERAGE:

All the currently recognized DQB1 alleles give rise to unique amplification patterns<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012-July-12, release 3.9.0.

The DQB1 typing kit cannot distinguish the following silent mutations: the DQB1\*02:01:01-02:01:05 alleles, the DQB1\*03:01:01:01-03:01:02 and 03:01:05-03:01:06 alleles, the DQB1\*03:02:01-03:02:05 alleles, the DQB1\*03:03:02:01-03:03:04 alleles, the DQB1\*03:05:01-03:05:04 alleles, the DQB1\*04:01:01-04:01:02 alleles, the DQB1\*04:02:01-04:02:02 alleles, the DQB1\*05:01:01:01-05:01:03 alleles, the DQB1\*05:02:01 and 05:02:03 alleles, the DQB1\*05:03:01:01-05:03:05 alleles, the DQB1\*06:01:01-06:01:06 alleles and the DQB1\*06:04:01 and 06:04:03 alleles.

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<sup>1</sup>The DQB1\*06:35 and 06:45 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

**RESOLUTION IN DQB1 HOMOZYGOTES AND HETEROZYGOTES:**

Very good.

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

Primer mix 11 has been modified for increased yield of HLA-specific PCR product for the DQB1\*03:05:02 allele.