

Lot No.: 85N

## Olerup SSP® DQB1 high resolution for frequent alleles

Product number: 101.221-12 – including *Taq* polymerase  
101.221-12u – without *Taq* polymerase  
Lot number: 85N  
Expiry date: 2014-December-01  
Number of tests: 12 tests  
Number of wells per test: 59 + 1

### CHANGES COMPARED TO THE PREVIOUS DQB1 HIGH RESOLUTION LOT (10M):

Well	5'-primer	3'-primer	rationale
5	Moved	Moved	Exchanged positive control primer pair, primer pair moved to well 58 for decreased primer oligomer formation.
18	Added	-	Primer added for increased yield of HLA-specific PCR product.
26	Modified	Modified	Increased yield of HLA-specific PCR product.
35	Added	-	Primer added for increased yield of HLA-specific PCR product.
37	Moved	Moved	Primer pair moved to well 57 for decreased primer oligomer formation.
48	Moved, added	Moved, added	Negative control moved to well 60, new primer pairs for the DQB1*03:32 and 04:07 alleles.
49	New	New	New primer pairs for the DQB1*03:33, 03:35 and 05:14 alleles.
50	New	New	New primer pairs for the DQB1*03:34, 03:38 and 03:37 alleles.
51	New	New	New primer pairs for the DQB1*02:06, *03:36 and 03:39 alleles.
52	New	New	New primer pair for the DQB1*04:08 allele.
53	New	New	New primer pair for the DQB1*05:09 allele.
54	New	New	New primer pairs for the DQB1*05:10 and 05:12 alleles.
55	New	New	New primer pair for the DQB1*06:41 allele.
56	New	New	New primer pairs for the DQB1*06:43, 06:44 and 06:47 alleles.
57	New	New	Primer pair from well 37.
58	New, modified	New	Primer pair from well 5, modified 5'-primers for improved specificity and yield of HLA-specific PCR product.
59	New	New	New primer pair for the DQB1*05:13 allele.
60	New	New	Negative control from well 48.

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**THE NUMBER OF WELLS** has been increased from 48 to 60.

**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-January-12, release 3.7.0.

The DQB1 typing kit cannot distinguish the following silent mutations: the DQB1\*02:01:01-02:01:04 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 \*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.

<sup>1</sup>The DQB1\*06:33 and 06:37 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 43.

**RESOLUTION IN DQB1 HOMOZYGOTES AND HETEROZYGOTES:**

Very good.

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

No suggestions received.