⊙LERUPSSP® DQB1*06 Release Note Page 1 of 2

101.212-24 – including *Taq* polymerase 101.212-24u – without *Taq* polymerase

Lot No.: 93X

Olerup SSP® DQB1*06

Product number: 101.212-24/04 – including *Taq* pol.

101.212-24u/04u – without *Taq* pol.

Lot number: 93X

Expiry date: 2017-September-01

Number of tests: 24 test – Product No. 101.212-24/24u

4 tests - Product No. 101.212-04/04u

Number of wells per test: 61+1

CHANGES COMPARED TO THE PREVIOUS DQB1*06 LOT (62V).

4 - Added 3'-primer added for the DQB1"06:03:13 allele. 8 - - Exchanged positive control primer pair for decreased tendency of primer oligomer formation. 14 - Added 3'-primer added for the DQB1"06:146 allele. 15 - Modified 3'-primer added for the DQB1"06:02:16 allele. 21 - Added 3'-primer added for the DQB1"06:02:16 allele. 25 Added - 5'-primer added for the DQB1"06:02:16 allele. 27 Added - 5'-primer added for the DQB1"06:132 allele. 32 Modified - 5'-primer added for the DQB1"06:132 allele. 34 - Modified 3'-primer added for improved yield. 34 - Modified 3'-primer added for the DQB1"06:135 allele. 35 Added - 5'-primer added for the DQB1"06:135 allele. 36 - Added 3'-primer added for the DQB1"06:133 allele. 37 - Added 3'-primer added for the DQB1"06:137 allele. 38 - Added 3'-primer added for the DQB1"06:137 allele.	Well	5'-primer	3'-primer	rationale		
Exchanged positive control primer pair for decreased tendency of primer oligomer formation. 14 - Added 3'-primer added for the DQB1'06:146 allele. 15 - Modified 3'-primer modified for increased HLA-specific amplification. 21 - Added 3'-primer added for the DQB1'06:02:16 allele. 25 Added - S'-primer added for the DQB1'06:049 allele. 27 Added - S'-primer added for the DQB1'06:132 allele. 32 Modified - S'-primer modified and strength of control band has been optimized for improved yield. 34 - Modified - S'-primer modified for improved HLA-specific amplification. 35 Added - S'-primer added for the DQB1'06:135 allele. 36 - Added 3'-primer added for the DQB1'06:135 allele. 37 - Added 3'-primer added for the DQB1'06:138 allele. 38 - Added 3'-primer added for the DQB1'06:137 allele. 39 - Added 3'-primer added for the DQB1'06:138 allele. 40 - Modified 3'-primer modified for HLA-specific amplification. 41 Moved, added 3'-primer moved to wells 47 and 48 for the DQB1'06:130 allele. 42 - Added 3'-primer moved to wells 47 and 48 for the DQB1'06:142 allele. 43 Added - S'-primer added for the DQB1'06:142 allele. 44 Added - S'-primer added for the DQB1'06:142 allele. 45 Added - S'-primer added for the DQB1'06:142 allele. 46 Added - S'-primer added for the DQB1'06:142 allele. 47 Added - S'-primer added from well 41, 5'-primer added for the DQB1'06:143 allele. 48 Added - S'-primer added from well 48, 5'-primer added for the DQB1'06:143 allele. 49 Added - S'-primer added from bell 48, 5'-primer added for the DQB1'06:143 allele. 50 Added - S'-primer added for the DQB1'06:132 and DQB1'06:143 allele. 51 Added - S'-primer added for the DQB1'06:133 allele. 52 Added Added Primer pair added for the DQB1'06:133 allele. 53 Added Added Primer pair added for the DQB1'06:134 allele. 54 Added - S'-primer added for the DQB1'06:134 allele. 55 Added Added Primer pair added for the DQB1'06:134 allele. 56 Added Added Primer pair added for the DQB1'06:135 allele. 57 Added Added Primer pair added for the DQB1'06:147 alle	4	-		3'-primer added for the DQB1*06:03:13 allele.		
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14						
3	14	-	Added			
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25 Added - 5'-primer added for improved yield of the DQB1*06:49 allele. 27 Added - 3'-primer added for the DQB1*06:132 allele. 32 Modified - 5'-primer modified and strength of control band has been optimized for improved yield. 34 - Modified 3'-primer modified for improved yield. 35 Added - 5'-primer added for improved HLA-specific amplification. 36 - Added 3'-primer added for the DQB1*06:135 allele. 37 - Added 3'-primer added for the DQB1*06:137 allele. 38 - Added 3'-primer added for the DQB1*06:137 allele. 39 - Added 3'-primer added for the DQB1*06:138 allele. 40 - Modified 3'-primer added for the DQB1*06:138 allele. 41 Moved, added 5'-primer added for the DQB1*06:138 allele. 42 - Added 5'-primer added for the DQB1*06:142 allele. 43 Added - 5'-primer added for the DQB1*06:142 allele. 44 Added - 5'-primer added for the DQB1*06:143 allele.						
25 Added - 5'-primer added for improved yield of the DQB1*06:49 allele. 27 Added - 3'-primer added for the DQB1*06:132 allele. 32 Modified - 5'-primer modified and strength of control band has been optimized for improved yield. 34 - Modified 3'-primer modified for improved yield. 35 Added - 5'-primer added for improved HLA-specific amplification. 36 - Added 3'-primer added for the DQB1*06:135 allele. 37 - Added 3'-primer added for the DQB1*06:137 allele. 38 - Added 3'-primer added for the DQB1*06:137 allele. 39 - Added 3'-primer added for the DQB1*06:138 allele. 40 - Modified 3'-primer added for the DQB1*06:138 allele. 41 Moved, added 5'-primer added for the DQB1*06:138 allele. 42 - Added 5'-primer added for the DQB1*06:142 allele. 43 Added - 5'-primer added for the DQB1*06:142 allele. 44 Added - 5'-primer added for the DQB1*06:143 allele.	21	-	Added	3'-primer added for the DQB1*06:02:16 allele.		
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61 New New Primer pair for the DQB1*06:136 allele.						
	61	New	New			
	62	-	-			



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101.212-24 – including *Taq* polymerase 101.212-24u – without *Taq* polymerase

Lot No.: 93X

THE NUMBER OF WELLS is increased from 59 to 62.

ALLELE COVERAGE:

DQB1*06:01 to DQB1*06:148 i.e. all the currently recognized DQB1*06 alleles, give rise to unique amplification patterns; www.ebi.ac.uk/imgt/hla, 2014-April-14¹, release 3.16.0.

The following DQB1*06 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DQB1*06:33, 06:114	27	DQB1*06:91, 06:128	48
DQB1*06:70, 06:75	40	DQB1*06:97, 06:124	45
DQB1*06:83, 06:125	20	DQB1*06:134, 06:144N	50

The DQB1*06 subtyping kit cannot distinguish the silent mutations in the DQB1*06:01:01, 06:01:03-06:01:06 and 06:01:08-06:01:11 alleles, the DQB1*06:01:02, 06:01:07 and 06:01:12 alleles, the DQB1*06:02:01-06:02:04, 06:02:06 and 06:02:08-06:02:17 alleles, the DQB1*06:03:01-06:03:03, 06:03:05-06:03:06 and 06:03:11-06:03:14 alleles, the DQB1*06:03:04 and 06:03:08-06:03:10, the DQB1*06:04:01 and 06:04:03-06:04:08 alleles, the DQB1*06:09:03 and 06:09:05 alleles, the DQB1*06:11:02-06:11:03 alleles, the DQB1*06:13:01-06:13:02 alleles, the DQB1*06:15:01-06:15:02 alleles or the DQB1*06:27:01-06:27:02 alleles.

RESOLUTION IN DQB1*06 HOMO- AND HETEROZYGOTES:

Very good.

INFLUENCE ON THE INTERPRETATION OF DQB1*06 SUBTYPINGS BY NON-DQB1*06 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 25, a 5'-primer was added for improved yield of the DQB1*06:49 allele.



¹Alleles 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.