

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).

Well	5'-primer	3'-primer	rationale
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 modified for increased HLA-specific amplification.
21	-	Added	3'-primer added for the DQB1*06:02:16 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 HLA-specific amplification.
35	Added	-	5'-primer added for the DQB1*06:135 allele.
36	-	Added	3'-primer added for the DQB1*06:138 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 modified for HLA-specific amplification.
41	Moved, added		5'-primer moved to wells 47 and 48 for the DQB1*06:148, 5'-primer added for the DQB1*06:130 allele.
42	-	Added	3'-primer added for the DQB1*06:142 allele.
43	Added	-	5'-primer added for the DQB1*06:131 allele.
44	Added	-	5'-primer added for the DQB1*06:143 allele.
47	Added	-	5'-primer added from well 41, 5'-primer added for the DQB1*06:143 allele.
48	Added	-	5'-primer added from well 48, 5'-primer added for the DQB1*06:145 allele.
49	Added	-	5'-primers added for the DQB1*06:132 and DQB1*06:140 alleles.
50	Added	-	5'-primers added for the DQB1*06:134, DQB1*06:140 and DQB1*06:144N alleles.
52	Added	Added	Primer pair added for the DQB1*06:133 allele.
53	Added	Added	Primer pair added for the DQB1*06:147 allele.
54	Added	-	5'-primer added for the DQB1*06:131 allele.
57	Added	-	5'-primer added for the DQB1*06:135 allele.
59	Added	Added	Primer pair added for the DQB1*06:147 allele.
60	Added	Added	Primer pair added for the DQB1*06:141 allele, updated negative control moved to well 62.
61	New	New	New primer pair for the DQB1*06:136 allele.
62	-	-	Updated negative control added from well 60.

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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.

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>.

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.