

101.212-24 – including *Taq* polymerase

101.212-24u – without *Taq* polymerase

Lot No.: **5E8**

Olerup SSP® DQB1*06

Product number: 101.212-24/04 – including *Taq* pol.
 101.212-24u/04u – without *Taq* pol.

Lot number: 5E8

Expiry date: 2019-05-01

Number of tests: 24 tests – Product No. 101.212-24/24u
 4 tests – Product No. 101.212-04/04u

Number of wells per test: 63+1

CHANGES COMPARED TO THE PREVIOUS DQB1*06 LOT (84Y).

Well	5'-primer	3'-primer	rationale
11	Added	-	5'-primer added for the DQB1*06:164 allele.
14	-	Added	3'-primer added for the DQB1*06:146:02 allele.
16	Moved	Moved	Primer pair moved to well 58 for improved HLA-specific amplification and decreased tendency of primer oligomer formation.
18	-	Added	3'-primers added for the DQB1*06:149 and DQB1*06:193N alleles.
19	-	Added	3'-primer added for the DQB1*06:193N allele.
24	Added	-	5'-primer added for increased yield.
35	Added	-	5'-primer added for the DQB1*06:172 allele.
40	-	Added	3'-primer added from well 61.
43	Added	Added	Primer pair added from well 51 for improved HLA-specific amplification.
44	Added	-	5'-primer added for the DQB1*06:191 allele.
45	-	Added	3'-primer added from well 61.
51	Moved, Added	Moved	Primer pair moved to well 43, 5'-primers added for the DQB1*06:189 and DQB1*06:205 alleles.
52	-	Added	3'-primers added for the DQB1*06:188 and DQB1*06:200 alleles.
53	-	Added	3'-primers added for the DQB1*06:188 and DQB1*06:200 alleles.
56	Added	-	5'-primer added for the DQB1*06:187 allele.
57	-	-	Exchange of positive control primer pair.
58	Added	-	5'-primer added for the DQB1*06:205 allele, 5'-primer added from well 16 for improved HLA-specific amplification and decreased tendency of primer oligomer formation.
60	Added	-	5'-primer added for the DQB1*06:191 allele.
61	Moved, Added	Moved, Added	Primer pair moved to wells 40 and 45, primer pair added for the DQB1*06:53:02 allele.
62	Added	Added	Negative Control moved to well 64, primer pair added for the DQB1*06:169 allele.
63	New	New	New primer pair added for the DQB1*06:164 allele.
64	New	New	Negative Control added from well 62.

THE NUMBER OF WELLS is increased from 62 to 64 wells.

ALLELE COVERAGE:

DQB1*06:01 to DQB1*06:209, i.e. all the currently recognized DQB1*06 alleles, will be amplified by the primers in the DQB1*06¹ subtyping kit; www.ebi.ac.uk/imgt/hla, 2016-July-14, release 3.25.0.

101.212-24 – including *Taq* polymerase

101.212-24u – without *Taq* polymerase

Lot No.: **5E8**

The DQB1*06 kit enables separation of the confirmed DQB1*06 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources. The DQB1*06 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

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, 06:75N	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, 06:01:08-06:01:11 and 06:01:13-06:01:15 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 06:02:08-06:02:25 alleles, the DQB1*06:03:01-06:03:03, 06:03:05-06:03:06, 06:03:11-06:03:18 and 06:03:20-06:03:22 alleles, the DQB1*06:03:04 and 06:03:08-06:03:10 alleles, the DQB1*06:04:01 and 06:04:03-06:04:10 alleles, the DQB1*06:08:02-06:08:03 alleles, the DQB1*06:09:03 and 06:09:05-06:09:06 alleles, the DQB1*06:11:02-06:11:03 alleles, the DQB1*06:13:01-06:13:02 alleles, the DQB1*06:14:01 and 06:14:03 alleles, the DQB1*06:15:01-06:15:02 alleles, the 06:19:01-06:19:02 alleles, the DQB1*06:22:01 and 06:22:03 alleles, the DQB1*06:27:01-06:27:02 alleles, the DQB1*06:79:01-06:79:02 alleles or the DQB1*06:146:01-06:146:02 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:

No comments received.