

## Olerup SSP<sup>®</sup> DQB1\*06

Product number:	101.212-24/04 – including <i>Taq</i> pol. 101.212-24u/04u – without <i>Taq</i> pol.
Lot number:	8L7
Expiry date:	2025-02-01
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 (5K0).

Well	5'-primer	3'-primer	rationale
7	Added	-	3'-primer added for improved yield of the *06:14:02 allele.
11	Removed	-	5'-primer removed for improved allelic resolution.
23	Added	-	5'-primer added for improved yield of the *06:14:02 allele.
24	Modified	-	5'-primer modified for improved HLA-specific amplification.
25	Added	-	5'-primer added for improved yield of the *06:14:02 allele.
27	Removed	-	5'-primer removed for improved allelic resolution.
31	-	Added	3'-primer added for the 06:57:01-06:57:02 alleles.
34	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification, exchanged positive control primer pair.
45	Added	-	3'-primer added for the *06:19 allele.
58	Added	-	3'-primer added for the 06:57:01-06:57:02 alleles.
62	Exchanged/Added	Exchanged	Exchanged primer pair for reducing tendency of primer oligomer formation. 5'-primer added for the *06:184 allele.

THE NUMBER OF WELLS is unchanged.

### ALLELE COVERAGE:

DQB1\*06:01 to DQB1\*06:382, i.e. all the currently recognized DQB1\*06 alleles, will be amplified by the primers in the DQB1\*06<sup>1</sup> subtyping kit; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2020-October-15, release 3.42.0.

The DQB1\*06 kit enables separation of the confirmed DQB1\*06 alleles as listed in the IMGT/HLA database 3.25.0. 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 many 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*06:97, 06:124	45
DQB1*06:70, 06:75N	40	DQB1*06:134, 06:144N	50
DQB1*06:91, 06:128	48	DQB1*06:200, 06:225	53

**101.212-24/04 – including *Taq* polymerase**  
**101.212-24u/04u – without *Taq* polymerase**

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<sup>1</sup>Alleles 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 mixes 7, 23 and 25, 5'-primers were added for improved yield of the DQB1\*06:14:02 allele.