

101.311-24/04 – including *Taq* polymerase
101.311-24u/04u – without *Taq* polymerase

Lot No.: 8L1

Olerup SSP® DPB1

Product number: 101.311-24/04 – including *Taq* pol.
101.311-24u/04u – without *Taq* pol.

Lot number: 8L1

Expiry date: 2025-08-01

Number of tests: 24 tests – Product No. 101.311-24/24u
4 tests – Product No. 101.311-04/04u

Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS DPB1 LOT (5L8):

Well	5'-primer	3'-primer	rationale
15	Modified	-	5'-primer modified for improving HLA-specific amplification.
16	Modified	-	5'-primer modified for improving HLA-specific amplification.
25	Modified	-	5'-primer modified for improving HLA-specific amplification.
45	Added	-	5'-primer modified for improved yield of the DPB1*115:01 allele.
51	Modified	-	5'-primer modified for improving HLA-specific amplification.
55	Added	-	5'-primer added for improved yield of the DPB1*115:01 allele.
56	-	Added	3'-primer added from mix 85 for improving HLA-specific amplification.
63	-	Added	3'-primer added from mix 65 for reducing tendency of primer oligomer formation.
65	-	Moved	3'-primer moved to mix 63 for reducing tendency of primer oligomer formation.
70	Modified	-	5'-primer modified for improving HLA-specific amplification.
72	Added	-	5'-primer added for improved yield.
84	-	Added	3'-primer added from mix 85 for reducing tendency of primer oligomer formation.
85	Removed	Moved	5'-primer removed, 3'-primer moved to mixes 46, 56 and 94 for reducing tendency of primer oligomer formation.
91	-	-	Exchanged positive control primer pair for reducing tendency of primer oligomer formation.
94	-	Added	3'-primer added from mix 85 for improving HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DPB1*01:01 to DPB1*1191:01N, i.e. all the recognized DPB1 alleles, will be amplified by the primers in the DPB1 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2021-April-20, release 3.44.0.



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The DPB1 kit enables separation of the confirmed DPB1 alleles as listed in the IMGT/HLA database 3.33.0. 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 DPB1 kit also enables identification of many null and alternatively expressed alleles.

The following DPB1 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DPB1*32:01, 339:01	42	DPB1*250:01, 268:01	71, 81
DPB1*120:01N, 453:01, 521:01	44	DPB1*281:01, 591:01	81
DPB1*149:01, 840:01	49	DPB1*498:01, 572:01	85
DPB1*153:01, 321:01, 595:01	53		

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>.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mixes 45 and 55, a 5'-primer has been added for improved yield of the DPB1*115:01 allele. In primer mix 72, a 5'-primer has been added for improved yield.

