

**101.311-24/04 – including *Taq* polymerase**

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

**Lot No.: 7F7**

## **Olerup SSP® DPB1**

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

**Lot number:** 7F7

**Expiry date:** 2020-07-01

**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 (9E3):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
10	-	Added	3'-primer added for increased yield of the DPB1*02:01:04 allele.
12	-	Added	3'-primer added for increased yield of the DPB1*02:01:04 allele.
15	Modified	-	5'-primer modified for improved HLA-specific amplification.
26	-	Added	3'-primer added for increased yield of the DPB1*46:01:02 allele.
27	Modified	-	5'-primer modified for improved HLA-specific amplification.
38	-	Added	3'-primers added for the DPB1*657:01N allele.
40	Added	-	5'-primer added from well 77 for improved HLA-specific amplification.
44	Removed	Modified	3'-primer modified for improved HLA-specific amplification.
49	Added	-	5'-primer added for the DPB1*522:01 allele.
53	-	Added	3'-primer added for the DPB1*573:01 allele.
54	-	Added	3'-primer added for the DPB1*04:01:01:24N allele.
56	-	Added	3'-primer added for the DPB1*658:01 allele.
59	Added	-	5'-primer added for increased yield.
64	-	Added	3'-primer added for the DPB1*658:01 allele.
65	-	Added	3'-primer added for the DPB1*604:01 allele.
67	-	Added	3'-primers added for the DPB1*504:01 and DPB1*657:01N alleles.
68	Added	-	5'-primer added for the DPB1*522:01.
69	Added	-	5'-primer added for the DPB1*520:01 allele.
70	Added	-	5'-primer added for the DPB1*522:01.
74	Added/modified	-	Added modified 5'-primer from well 84.
76	Added	-	5'-primer added for the DPB1*523:01 allele.
77	Moved, modified	-	5'-primer moved to well 40 and 5'-primer modified for improved HLA-specific amplification.
78	Added	-	5'-primer added for the DPB1*523:01 allele.
84	-	Moved/modified	3'-primer moved/modified to well 74 for improved HLA-specific amplification.
86	Added	-	5'-primer added for the DPB1*520:01 allele.
93	Added	-	5'-primer added for the DPB1*661:01N allele.
94	-	Added	3'-primer added for the DPB1*486:01 allele.

**101.311-24/04 – including Taq polymerase**

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

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**THE NUMBER OF WELLS** is unchanged.

**ALLELE COVERAGE:**

DPB1\*01:01 to DPB1\*664:01, i.e. all the recognized DPB1 alleles, will be amplified by the primers in the DPB1 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2017-August-10, release 3.29.0.

The DPB1 kit enables separation of the confirmed DPB1 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. Current allele confirmation status for DPB1 alleles is listed below.

The DPB1 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 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*237:01, 419:01	85
DPB1*120:01N, 453:01, 521:01	44	DPB1*250:01, 268:01	71
DPB1*153:01, 321:01	53	DPB1*281:01, 591:01	81

<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>.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

In primer mix 10, a 3'-primer was added for increased yield of the DPB1\*02:01:04 allele.  
In primer mix 12, a 3'-primer was added for increased yield of the DPB1\*02:01:04 allele.  
In primer mix 15, a 5'-primer was modified for improved HLA-specific amplification.  
In primer mix 26, a 3'-primer was added for increased yield of the DPB1\*46:01:02 allele.  
In primer mix 27, a 5'-primer was modified for improved HLA-specific amplification.  
In primer mix 77, a 5'-primer was moved to well 40 and a 5'-primer was modified for improved HLA-specific amplification.