

**101.113-24/04 – including *Taq* polymerase**  
**101.113-24u/04u – without *Taq* polymerase**

**Lot No.: 8E7**

## **Olerup SSP® DRB1\*03**

**Product number:** 101.113-24/04 – including *Taq* pol.  
 101.113-24u/04u – without *Taq* pol.  
**Lot number:** 8E7  
**Expiry date:** 2019-09-01  
**Number of tests:** 24 tests – Product No. 101.113-24  
 4 tests – Product No. 101.113-04  
**Number of wells per test:** 31+1

### **CHANGES COMPARED TO THE PREVIOUS DRB1\*03 LOT (40Y):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
6	-	Added	3'-primer added for the DRB1*03:16 allele.
7	Added	Added	Primer pair added for the DRB1*03:124 and DRB1*03:132 alleles.
9	-	Added	3'-primer added for the DRB1*03:01:25 allele.
11	-	Added	3'-primers added for the DRB1*03:112 and DRB1*03:115 alleles.
13	-	Added	3'-primer added for the DRB1*03:115 allele.
15	-	Added	3'-primer added for the DRB1*03:112 allele.
16	Added	Added	3'-primer added for the DRB1*03:15:02, primer pair added for the DRB1*03:132 allele.
17	-	Added	3'-primer added for the DRB1*03:34 allele.
19	Added	Added	Primer pair added for the DRB1*03:124 allele.
26	-	Added	3'-primer added for the DRB1*03:71:02 allele.
27	-	Added	3'-primer added for the DRB1*03:71:02 allele.
30	-	Added	3'-primers added for the DRB1*03:01:06 and DRB1*03:01:09 alleles.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

DRB1\*03:01 to DRB1\*03:136, i.e. all the currently recognized DRB1\*03 alleles, will be amplified by the primers in the DRB1\*03 subtyping kit<sup>1</sup>, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-October-14<sup>1,2</sup>, release 3.26.0.

The DRB1\*03 kit enables separation of the confirmed DRB1\*03 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 DRB1\*03 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 DRB1\*03 alleles can be distinguished by the different sizes of the specific PCR product:

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Alleles	Primer mix
DRB1*03:18, 03:48	22
DRB1*03:20, 03:93	17

The DRB1\*03 subtyping kit cannot distinguish the following silent mutations: the DRB1\*03:01:01:01-03:01:25, the DRB1\*03:02:01-03:02:03, the DRB1\*03:04:01-03:04:02, the DRB1\*03:05:01-03:05:03, the DRB1\*03:13:01-03:13:02, the DRB1\*03:41:01-03:41:02 or the DRB1\*03:71:01-03:71:02 alleles.

<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>.

<sup>2</sup>The DRB1\*03 primer set cannot separate the DRB1\*03:77, 03:84, 03:89, 03:95 and the DRB1\*13:144 alleles. These alleles can be distinguished by the DR low resolution kit and/or the DRB1\*13 high resolution kit.

The DRB1\*03 primer set cannot separate the DRB1\*03:97 and the 14:33 alleles. These alleles can be distinguished by the DR low resolution kit and/or the DRB1\*14 high resolution kit.

The DRB1\*03 primer set cannot separate the DRB1\*03:126 and the 14:95 alleles. These alleles can be distinguished by the DR low resolution kit and/or the DRB1\*14 high resolution kit.

#### **RESOLUTION IN DRB1\*03 HOMOZYGOTES:**

The DRB1\*03:01,03:01, DRB1\*03:01,03:02 and DRB1\*03:02,03:02 genotypes all give rise to unique amplification patterns.

#### **INFLUENCE ON THE INTERPRETATION OF DRB1\*03 SUBTYPINGS BY NON-DRB1\*03 ALLELES:**

Most frequently encountered DRB1\*03,11; DRB1\*03,13 and DRB1\*03,14 genotypes give rise to unique amplification patterns.

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

No comments received.