

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

Lot No.: **52V**

## **Olerup SSP® DRB1\*03**

**Product number:** 101.113-24/04 – including *Taq* pol.  
 101.113-24u/04u – without *Taq* pol.

**Lot number:** 52V

**Expiry date:** 2016-September-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 (15S):**

Well	5'-primer	3'-primer	rationale
5	-	Added	3'-primers added for the DRB1*03:58 and DRB1*03:65 alleles.
16	Exchanged	-	5'-primer exchanged for the resolution of the DRB1*03:90 allele.
17	-	Added	Exchanged positive control primer pair, 3'-primer added for the DRB1*03:93 allele.
22	-	Added	3'-primer added from well 32.
25	Added	-	5'-primer added for the DRB1*03:88 allele.
27	-	Added	3'-primer added for the resolution of the DRB1*03:35 allele.
29	Added	-	5'-primer added for the DRB1*03:92 allele.
31	Added	-	5'-primer added for the DRB1*03:92 allele.
32	Moved	Moved	Primer pair moved to well 22, Negative Control.

**THE NUMBER OF WELLS** is unchanged.

**ALLELE COVERAGE:**

DRB1\*03:01 to DRB1\*03:94, 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), 2014-January-17<sup>1,2</sup>, release 3.15.0.

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 DRB1\*03 subtyping kit cannot distinguish the following silent mutations: the DRB1\*03:01:01:01-03:01:22, the DRB1\*03:02:01 and 03:02:02, the DRB1\*03:04:01 and 03:04:02, the DRB1\*03:05:01 to 03:05:03 or the DRB1\*03:13:01 and 03:13:02 alleles.

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The following DRB1\*03 alleles can be distinguished by the different sizes of the specific PCR product:

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

<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 and 03:89 and the DRB1\*13:144 and 14:95 alleles. These alleles can be distinguished by the DR low resolution kit and/or the DRB1\*13 and 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.