

101.113-24/04 – including *Taq* polymerase  
101.113-24u/04u – without *Taq* polymerase  
Lot No.: 3G3

## Olerup SSP<sup>®</sup> DRB1\*03

**Product number:** 101.113-24/04 – including *Taq* pol.  
101.113-24u/04u – without *Taq* pol.  
**Lot number:** 3G3  
**Expiry date:** 2022-05-01  
**Number of tests:** 24 tests – Product No. 101.113-24/24u  
4 tests – Product No. 101.113-04/04u  
**Number of wells per test:** 31+1

### CHANGES COMPARED TO THE PREVIOUS DRB1\*03 LOT (8E7):

Well	5'-primer	3'-primer	rationale
5	-	Removed	3'-primer removed for increased allelic resolution.
11	-	Modified	3'-primer modified for improved HLA-specific amplification.
19	Moved, added	Moved, added	5'-primer moved to well 25 and 29, primer pair moved to well 28. Primer pair added for the DRB1*03:58 allele.
25	Added	-	5'-primer added from well 19.
27	-	Exchanged	3'-primer exchanged for the DRB1*03:55 allele.
28	Added	Added	Primer pair added from well 19.
29	Added	-	5'-primer added from well 19.

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

DRB1\*03:01 to DRB1\*03:142, 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), 2018-January-19<sup>1,2</sup>, release 3.31.0.

The DRB1\*03 kit enables separation of the confirmed DRB1\*03 alleles as listed in the IMGT/HLA database 3.26.0. 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 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:

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

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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>.

<sup>2</sup>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.

The DRB1\*03 primer set cannot separate the DRB1\*03:35 and the 14:127:01-14:127:02 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:**

An exchanged primer pair has been added for the DRB1\*03:58 allele.

An exchanged 3'-primer has been added for the DRB1\*03:55 allele.

Changes in revision R01 compared to R00:

1. The expiration date has been altered due to shelf-life extension.