

101.113-24/04 – including *Taq* polymerase  
101.113-24u/04u – without *Taq* polymerase  
Lot No.: 4N8

## Olerup SSP® DRB1\*03

**Product number:** 101.113-24/04 – including *Taq* pol.  
101.113-24u/04u – without *Taq* pol.  
**Lot number:** 4N8  
**Expiry date:** 2025-10-01  
**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 (5K9):

Well	5'-primer	3'-primer	rationale
4	-	-	Exchanged positive control primer pair, for reducing tendency of primer oligomer formation.
15	-	Added	3'-primer added for the DRB1*03:100 allele.
17	-	Added	3'-primer added for the DRB1*03:100 allele.
20	-	Added	3'-primer added for the DRB1*03:73 allele.
22	-	Added	3'-primer added for the DRB1*03:73 allele.

THE NUMBER OF WELLS is unchanged.

### ALLELE COVERAGE:

DRB1\*03:01 to DRB1\*03:186, 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), 2021-July-12<sup>1,2</sup>, release 3.45.0.

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 many 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

<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 following alleles. These alleles can be distinguished by the DR low resolution kit and/or the DRB1\*14 high resolution kit:



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MA125 v01 SSP Release Note Template  
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**Alleles**

DRB1\*03:35, DRB1\*14:127:01-14:127:02

DRB1\*03:97, DRB1\*14:33

DRB1\*03:126, DRB1\*14:95

**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.

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