

101.113-24/04 – including *Taq* polymerase

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

Lot No.: **40Y**

Olerup SSP® DRB1*03

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

Lot number: 40Y

Expiry date: 2017-November-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 (52V):

Well	5'-primer	3'-primer	rationale
3	-	Added	3'-primers added for the DRB1*03:97 allele.
6	-	Added	3'-primers added for the DRB1*03:01:23 allele.
12	-	Added	3'-primers added for the DRB1*03:110 allele.
14	-	Added	3'-primers added for the DRB1*03:110 allele.
32	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DRB1*03:01 to DRB1*03:118, i.e. all the currently recognized DRB1*03 alleles, will be amplified by the primers in the DRB1*03 subtyping kit¹, www.ebi.ac.uk/imgt/hla, 2015-January-19^{1,2}, release 3.19.0.

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:

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*03:01:01:01-03:01:24, the DRB1*03:02:01-03:02:02, the DRB1*03:04:01-03:04:02, the DRB1*03:05:01-03:05:03 or the DRB1*03:13:01-03:13:02 alleles.

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¹Alleles 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>.

²The 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*14high 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.