Olerup SSP[®] DRB1*03

Product number:	101.113-24/04 – including <i>Taq</i> pol.	
	101.113-24u/04u – without <i>Taq</i> 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	

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.

CHANGES COMPARED TO THE PREVIOUS DRB1*03 LOT (5K9):

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 kit¹, <u>www.ebi.ac.uk/imgt/hla</u>, 2021-July-12^{1,2}, 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.

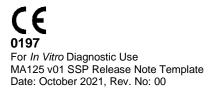
The DRB1*03 kit also enables identification of many null and alternatively expressed alleles.

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

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 <u>http://hla.alleles.org/alleles/deleted.html</u>.

²The 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:



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.

