OLERUP SSP®
GENOMIC HLA TYPING

DRB4   **Release Note**   **Page 1 of 1**
101.122-24/06 – including *Taq* polymerase
101.122-24u/06u – without *Taq* polymerase
Lot No.: 9F6

Olerup SSP® DRB4

Product number:	**101.122-24/06 – including *Taq* pol.**
	101.122-24u/06u – without *Taq* pol.
Lot number:	**9F6**
Expiry date:	**2020-07-01**
Number of tests:	**24 tests – Product No. 101.122-24**
	6 tests – Product No. 101.122-06
Number of wells per test:	**31+1**

CHANGES COMPARED TO THE PREVIOUS DRB4 LOT (8E8):

Well	5'-primer	3'-primer	rationale
13	-	Added	3'-primer added for the DRB4*01:45 allele.
24	-	Added	3'-primer added for the DRB4*01:54N allele.
25	-	Added	3'-primer added for the DRB4*01:56N allele.
26	-	Added	3'-primer added for the DRB4*01:56N allele.
28	-	Added	3'-primer added for the DRB4*01:45 allele.
31	Added	Added	Negative control moved to well 32, primer pair added for the DRB4*01:53 allele.

THE NUMBER OF WELLS is increased from 31 to 32 wells.

ALLELE COVERAGE:
DRB4*01:01:01:01 to DRB4*03:01N, i.e. all the currently recognized DRB4 alleles, will be amplified by the primers in the DRB4 subtyping kit; www.ebi.ac.uk/imgt/hla, 2017-August-10, release 3.29.0.

RESOLUTION IN DRB4 HOMOZYGOTES:
The DRB4*01:01:01:01,01:01:01:01 and *01:01:01:01,03:01N genotypes give rise to identical amplification patterns.
The DRB4*01:01:01:01,01:03 and *01:03,03:01N genotypes give rise to identical amplification patterns.

The DRB4 kit enables separation of the confirmed DRB4 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 DRB4 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

INFLUENCE ON THE INTERPRETATION OF DRB4 SUBTYPINGS BY NON-DRB4 ALLELES:
The DRB1*15:01:01:01-15:01:34, 15:02:01:01-15:02:17, 15:03:01:01-15:147 and the DRB1*16:01:01-16:05:02, 16:07-16:47 alleles might be faintly amplified by primer mix 7.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received