

101.122-24/06 – including *Taq* polymerase
101.122-24u/06u – without *Taq* polymerase

Lot No.: **7G6**

Olerup SSP® DRB4

Product number: 101.122-24/06 – including *Taq* pol.
101.122-24u/06u – without *Taq* pol.
Lot number: 7G6
Expiry date: 2021-06-01
Number of tests: 24 tests – Product No. 101.122-24/24u
6 tests – Product No. 101.122-06/06u
Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS DRB4 LOT (9F6):

Well	5'-primer	3'-primer	rationale
8	Exchanged	Exchanged	Primer pair exchanged for improved resolution of the DRB4*03:01N allele, positive control primer pair exchanged.
16	Added	-	5'-primer added for the DRB4*01:57N allele.
19	Added	-	5'-primer added for the DRB4*01:65N allele.
20	Added	-	5'-primer added for the DRB4*01:65N allele.
23	-	Added	3'-primer added for the DRB4*01:61N allele.
27	-	Added	3'-primer added for the DRB4*01:61N allele.
30	Added	-	5'-primer added for the DRB4*01:57N allele.

THE NUMBER OF WELLS is unchanged

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 kit¹; www.ebi.ac.uk/imgt/hla, 2018-July-11, release 3.33.0.

The DRB4 kit enables separation of the confirmed DRB4 alleles as listed in the IMGT/HLA database 3.29.0. 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 DRB4 kit also enables identification of null and alternatively expressed alleles.

The following DRB4 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DRB4*01:08, 01:39	13	DRB4*01:24, 01:37	23
DRB4*01:15, 01:44	25	DRB4*01:32, 01:43, 01:54N	24
DRB4*01:20, 01:36	21	DRB4*01:33, 01:38N, 01:40	22

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>.

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RESOLUTION IN DRB4 HOMOZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF DRB4 SUBTYPINGS BY NON-DRB4 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

Primer mix 8 has been exchanged for improved resolution of the DRB4*03:01N allele.