

**DRB1\*04**

101.114-24/03 – including *Taq* polymerase

101.114-24u/03u – without *Taq* polymerase

Lot No.: **4K2**

## Olerup SSP<sup>®</sup> DRB1\*04

Product number:	101.114-24/03 – including <i>Taq</i> pol. 101.114-24u/03u – without <i>Taq</i> pol.
Lot number:	4K2
Expiry date:	2023-10-01
Number of tests:	24 tests – Product No. 101.114-24/24u 3 tests – Product No. 101.114-03/03u
Number of wells per test:	47+1

### CHANGES COMPARED TO THE PREVIOUS DRB1\*04 LOT (7G9):

Well	5'-primer	3'-primer	rationale
10	-	Modified	3'-primer modified for improved HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

### ALLELE COVERAGE:

DRB1\*04:01 to DRB1\*04:292, i.e. all the currently recognized DRB1\*04 alleles, are amplified by the DRB1\*04 kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2019-July-10, release 3.37.0.

The DRB1\*04 kit enables separation of the confirmed DRB1\*04 alleles as listed in the IMGT/HLA database 3.27.0. 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\*04 kit also enables identification of many null and alternatively expressed alleles.

The following DRB1\*04 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DRB1*04:16, 04:151	12	DRB1*04:49, 04:219	27
DRB1*04:23, 04:180	12	DRB1*04:79, 04:211	42
DRB1*04:27, 04:110	20	DRB1*04:89, 04:178N	38
DRB1*04:39, 04:101	19	DRB1*04:117, 04:119N	47

<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>.

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**RESOLUTION IN DRB1\*04 HOMOZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF DRB1\*04 SUBTYPINGS BY NON-DRB1\*04 ALLELES:**

None of importance.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

In primer mix 10, a 3'-primer was modified for improved HLA-specific amplification of the DRB1\*04:26 allele.