

101.117-12/03 – including *Taq* polymerase  
101.117-12u/03u – without *Taq* polymerase

Lot No.: **3F6**

## Olerup SSP® DRB1\*14

**Product number:** 101.117-12/03 – including *Taq* pol.  
101.117-12u/03u – without *Taq* pol.

**Lot number:** 3F6

**Expiry date:** 2020-02-01

**Number of tests:** 12 tests – Product No. 101.117-12/12u  
3 tests – Product No. 101.117-03/03u

**Number of wells per test:** 47+1

### CHANGES COMPARED TO THE PREVIOUS DRB1\*14 LOT (1D9):

Well	5'-primer	3'-primer	rationale
13	-	Removed	Excess 3'-primer removed for decreased tendency of primer oligomer formation.
23	-	Added	3'-primer added for the DRB1*14:184 allele.
24	-	Added	3'-primer added for the DRB1*14:166N allele.
26	-	Removed	Excess 3'-primer removed.
28	-	Exchanged	3'-primer exchanged for the DRB1*14:152N allele.
29	-	Added	3'-primer added for the DRB1*14:137N allele.
30	-	Added	3'-primer added for the DRB1*14:47 allele.
32	-	Added	3'-primer added for the DRB1*14:47 allele.
37	-	Added	3'-primer added for the DRB1*14:166N allele.
40	-	Exchanged	3'-primer exchanged for the DRB1*14:152N allele.
41	-	Moved	3'-primer moved to well 47 for improved HLA-specific amplification.
42	-	Exchanged	3'-primer exchanged for increased yield.
47	Removed, added	Removed, added	Primer pair removed, primer pair added from well 41 for improved HLA-specific amplification, 3'-primer added for the DRB1*14:184 allele.

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

DRB1\*14:01 to DRB1\*14:184, i.e. all the currently recognized DRB1\*14 alleles, will be amplified by the primers in the DRB1\*14 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2017-January-20, release 3.27.0.

The DRB1\*14 kit enables separation of the confirmed DRB1\*14 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.

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The DRB1\*14 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\*14 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DRB1*14:01:02-14:01:04, 14:86	26
DRB1*14:26, 14:110	24
DRB1*14:75, 14:162	41

<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>.

<sup>2</sup>The DRB1\*14 primer set cannot separate the DRB1\*14:21 and the DRB1\*03:76 and DRB1\*13:178 alleles. These alleles can be distinguished by the DR low resolution and/or DRB1\*03 kits.

#### **RESOLUTION IN DRB1\*14 HOMOZYGOTES:**

Good.

#### **INFLUENCE ON THE INTERPRETATION OF DRB1\*14 SUBTYPINGS BY NON-DRB1\*14 ALLELES:**

Most frequently encountered DRB1\*03,14; DRB1\*11,14 and DRB1\*13,14 genotypes give rise to unique amplification patterns.

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

No comments received.