

101.117-12/03 – including *Taq* polymerase

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

Lot No.: **06X**

Olerup SSP® DRB1*14

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

Lot number: 06X

Expiry date: 2017-January-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 (81R):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the DRB1*14:32:03 allele.
16	Added	-	5'-primer added for the DRB1*14:23:04 allele.
25	-	Added	3'-primer added for the DRB1*14:136 allele.
26	Added	Added	Primer pair added from well 45.
27	-	Added	3'-primer added for the DRB1*14:141 allele.
28	Added	Added	Primer pair added from well 42.
36	-	Added	3'-primers added from well 39.
39	Removed, added	Added, moved	5'-primer removed, primer pair added for the DRB1*14:123 allele, 3'-primers moved to well 36.
41	-	Added	3'-primer added for the DRB1*14:129 allele.
42	Moved, added	Moved, added	Primer pair moved to well 28, primer pair added for the DRB1*14:141 allele, exchanged positive control primer pair.
45	Moved, added	Moved, added	Primer pair moved to well 26, primer pair added from well 48.
46	-	Added	3'-primer added for the DRB1*14:129 allele.
48	Moved	Moved	Primer pair moved to well 45, Negative Control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DRB1*14:01 to DRB1*14:150, i.e. all the currently recognized DRB1*14 alleles, will be amplified by the primers in the DRB1*14 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2014-January-14, release 3.16.0.

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.

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.

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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

The DRB1*14 subtyping kit cannot distinguish the silent mutations in the DRB1*14:01:01-14:01:04 alleles, the DRB1*14:03:01-14:03:02 alleles, the DRB1*14:06:02-14:06:03 alleles, the DRB1*14:12:01-14:12:02 alleles, the DRB1*14:23:01-14:23:04 alleles, the DRB1*14:32:01-14:32:02 alleles, the DRB1*14:44:01 and 14:44:03 alleles or the DRB1*14:54:01-14:54:02 alleles.

¹ 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>.

² 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.