

Olerup SSP[®] DRB1*14

Product number: 101.117-12/03 – including *Taq* pol.
101.117-12u/03u – without *Taq* pol.
Lot number: 81R
Expiry date: 2015-July-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: 48

CHANGES COMPARED TO THE PREVIOUS DRB1*14 LOT (77M):

Well	5'-primer	3'-primer	rationale
2	-	Added	3'-primer added for the DRB1*14:54:02 allele.
7	-	Added	3'-primer added for the DRB1*14:122 allele.
11	Moved	Moved	Primer pair moved to well 42, for improved allelic resolution.
23	-	Added	Added 3'-primer from well 28.
28	Moved	Moved	Primer pair moved to well 23, for improved allelic resolution.
35	Added	-	5'-primer added for the DRB1*14:113 allele.
38	-	Added	3'-primer added for the DRB1*14:44:02 allele.
42	-	Added	Added 3'-primer from well 11.
44	Added	-	5'-primer added for the DRB1*14:113 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DRB1*14:01 to DRB1*14:131, i.e. all the currently recognized DRB1*14 alleles, will be amplified by the primers in the DRB1*14 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2012-October-17, release 3.10.0.

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.

The DRB1*14:26 and DRB1*14:110 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 24.

The DRB1*14 subtyping kit cannot distinguish the silent mutations in the DRB1*14:01:01-14:01:03 alleles, the DRB1*14:03:01-14:03:02 alleles, the DRB1*14:05:01 and 14:05:04 alleles, the DRB1*14:06:01-14:06:02 alleles, the DRB1*14:07:01-14:07:02 alleles, the DRB1*14:12:01-14:12:02 alleles, the

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

Lot No.: **81R**

DRB1*14:23:01-14:23:03 alleles, the DRB1*14:32:01-14:32:02 alleles, the DRB1*14:54:01-14:54:02 alleles or the DRB1*14:44:01 and 14:44:03 alleles.

¹The DRB1*14 primer set cannot separate the DRB1*14:21 and DRB1*03:76 alleles. These alleles can be distinguished by the DR low resolution and/or DRB1*03 kits.

The DRB1*14 primer set cannot separate the DRB1*14:116 and the DRB1*13:47 alleles. These alleles can be distinguished by the DR low resolution and/or DRB1*13 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.