

101.117-12/03 – including *Taq* polymerase

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

Lot No.: **1D9**

Olerup SSP® DRB1*14

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

Lot number: 1D9

Expiry date: 2018-June-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 (06X):

Well	5'-primer	3'-primer	rationale
5	-	-	Exchanged positive control primer pairs for improved HLA-specific amplification.
10	Added	-	5'-primer added for the DRB1*14:157 allele.
17	-	Added	3'-primer added for the DRB1*14:163 allele.
18	-	Added	3'-primer added for the DRB1*14:54:03 allele.
28	-	Added	3'-primer added for the DRB1*14:152N allele.
29	-	Added	3'-primer added for the DRB1*14:158 allele.
40	-	Added	3'-primer added for the DRB1*14:152N allele.
41	-	Added	3'-primer added for the DRB1*14:163 allele.
46	-	Added	3'-primer added for the DRB1*14:158 allele.
48	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DRB1*14:01 to DRB1*14:163, 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, 2015-August-11, release 3.21.1.

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 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, 14:153	14:86, 26
DRB1*14:26, 14:110	24
DRB1*14:75, 14:162	41

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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*14:38:01-14:38:02 alleles, the DRB1*14:44:01 and 14:44:03 alleles, the DRB1*14:54:01-14:54:03 and 14:54:05 alleles, the DRB1*14:68:01-14:68:02 or the DRB1*14:126:01-14:126:02 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.