

101.118-24 – including *Taq* polymerase

101.118-24u – without *Taq* polymerase

Lot No.: 3E8

Olerup SSP® DRB1*07

Product numbers: 101.118-24 – including *Taq* polymerase
101.118-24u – without *Taq* polymerase

Lot number: 3E8

Expiry date: 2019-04-01

Number of tests: 24

Number of wells per test: 21+1

CHANGES COMPARED TO THE PREVIOUS DRB1*07 LOT (58X):

Well	5'-primer	3'-primer	rationale
6	-	Added	3'-primers added for the DRB1*07:32 and DRB1*07:29 alleles.
7	-	Added	3'-primers added for the DRB1*07:29 allele.
8	-	Added	3'-primer added for the DRB1*07:51 allele.
13	-	Added	3'-primer added for the DRB1*07:51 allele.
16	Moved, Added	Moved, Added	Negative control moved to well 22, primer pair added for the DRB1*07:58N allele.
17	New	New	New primer pairs added for the DRB1*07:40 and DRB1*07:56 alleles.
18	New	New	New primer pairs added for the DRB1*07:46 and DRB1*07:61 alleles.
19	New	New	New primer pairs added for the DRB1*07:30 and DRB1*07:42 alleles.
20	New	New	New primer pairs added for the DRB1*07:39 and DRB1*07:68N alleles.
21	New	New	New primer pairs added for the DRB1*07:44 and DRB1*07:48 alleles.
22	-	-	Updated negative control added from well 16.

THE NUMBER OF WELLS is increased from 16 to 22.

ALLELE COVERAGE:

DRB1*07:01 to DRB1*07:70, i.e. all the currently recognized DRB1*07 alleles, will be amplified by the primers in the DRB1*07 subtyping kit; www.ebi.ac.uk/imgt/hla, 2016-July-14^{1,2}, release 3.25.0.

The DRB1*07 kit enables separation of the confirmed DRB1*07 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*07 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*07 alleles can be distinguished by the different sizes of the specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
DRB1*07:06, 07:32	6	DRB1*07:39, 07:68N	20
DRB1*07:14, 07:24	11	DRB1*07:40, 07:56	17
DRB1*07:17, 07:27	14	DRB1*07:44, 07:48	21
DRB1*07:30, 07:42	19		

The DRB1*07 subtyping kit cannot distinguish the silent mutations in the DRB1*07:01:01:01 to DRB1*07:01:19 alleles.

¹DRB1 alleles listed on the IMGT/HLA web page 2016-July-14, release 3.25.0.

²Alleles 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>.

RESOLUTION IN DRB1*07 HOMOZYGOTES:

The DRB1*07:01,07:01 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF DRB1*07 SUBTYPINGS BY NON-DRB1*07 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.