

101.115-24/03 – including *Taq* polymerase
 101.115-24u/03u – without *Taq* polymerase

Lot No.: **85S**

Olerup SSP® DRB1*11

Product number: 101.115-24/03 – including *Taq* pol.
 101.115-24u/03u – without *Taq* pol.
Lot number: 85S
Expiry date: 2016-April-01
Number of tests: 24 tests – Product No. 101.115-24
 3 tests – Product No. 101.115-03
Number of wells per test: 43

Changes compared to the previous DRB1*11 Lot (07R):

Well	5'-primer	3'-primer	rationale
3	-	Added	3'-primer added for the DRB1*11:01:18 allele.
10	Moved	Moved	Primer pair moved to well 41, for resolution of the DRB1*11:103 and DRB1*11:125 alleles.
15	Modified	-	5'-primer modified for increased yield of HLA-specific PCR product.
21	Moved	Moved	Primer pair moved to well 42, for resolution of the DRB1*11:72 and DRB1*11:142 alleles.
26	Added	-	5'-primer added for increased yield of HLA-specific PCR product.
30	Removed	Added	5'-primer removed to decrease oligomer formation, 3'-primer added for the DRB1*11:01:18 allele.
41	Added	Added, modified	Primer pair added from well 10, 3'-primer modified for increased yield of HLA-specific PCR product.
42	Added	Added	Primer pair added from well 21.
43	New	New	New primer pair for the DRB1*11:137 allele.

THE NUMBER OF WELLS is increased from 40 to 43.

ALLELE COVERAGE:

DRB1*11:01 to DRB1*11:147, i.e. all the currently recognized DRB1*11 alleles, will be amplified by the primers in the DRB1*11 subtyping kit; www.ebi.ac.uk/imgt/hla, 2013-July-25, release 3.13.1.

The DRB1*11 kit enables separation of the confirmed DRB1*11 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*11 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 DRB1*11 subtyping kit cannot distinguish the silent mutations in the DRB1*11:01:01-11:01:11 and 11:01:13-11:01:18, 11:02:01-11:02:02, 11:04:01-11:04:03 and 11:04:05-11:04:11, 11:06:01-11:06:03, 11:08:01-11:08:02, 11:10:01-11:10:02, 11:11:01-11:11:02, 11:13:01-11:13:02, 11:14:01-11:14:02, 11:19:01-11:19:03, 11:23:01-11:23:02, 11:27:01-11:27:03, 11:28:01-11:28:02, 11:37:01-11:37:02, 11:49:01-11:49:02, 11:54:01-11:54:02, 11:58:01-11:58:02, 11:65:01-11:65:02, 11:74:01-11:74:02, 11:84:01-11:84:03 and 11:102:01-11:102:02 alleles.

¹The DRB1*11:24 and 11:91 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.

The DRB1*11:61 and 11:90 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 12.

RESOLUTION IN DRB1*11 HOMOZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF DRB1*11 SUBTYPINGS BY NON-DRB1*11 ALLELES:

Most frequently encountered DRB1*03,11; DRB1*11,13 and DRB1*11,14 genotypes give rise to unique amplification patterns except for the DRB1*11:01,14:01 genotype, which gives an identical pattern as the DRB1*11:29,14:01 genotype.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

Primer mix 15 modified for improved amplification of the DRB1*11:12 allele.