

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

Lot No.: **7F2**

Olerup SSP[®] DRB1*11

Product number: 101.115-24/03 – including *Taq* pol.
101.115-24u/03u – without *Taq* pol.

Lot number: 7F2

Expiry date: 2020-07-01

Number of tests: 24 tests – Product No. 101.115-24/24u
3 tests – Product No. 101.115-03/03u

Number of wells per test: 47+1

Changes compared to the previous DRB1*11 Lot (7D1):

Well	5'-primer	3'-primer	rationale
6	-	Added	3'-primer added for the DRB1*11:55 allele.
13	-	-	Exchange of positive control for decreased tendency of primer oligomer formation.
23	-	Modified	5'-primer added for the DRB1*11:217N allele.
27	Modified, moved	-	5'-primer modified for improved HLA-specific amplification, 5'-primer moved to well 29 for improved HLA-specific amplification.
28	Modified	-	5'-primer modified for improved HLA-specific amplification.
29	Added	-	5'-primer added from well 27 for improved HLA-specific amplification.
35	Added	-	5'-primer added for the DRB1*11:217N allele.
36	-	Modified	3'-primer modified for decreased tendency of primer oligomer formation.
39	-	Added	3'-primer added for the DRB1*11:197 allele.
43	-	Added	3'-primer added for the DRB1*11:147:01 and DRB1*11:147:02 alleles.
44	-	Added	3'-primer added for the DRB1*11:147:01 and DRB1*11:147:02 alleles.
45	-	Added	3'-primer added for the DRB1*11:197 allele.
46	Added	Added	Primer pair added for the DRB1*11:198 allele.
47	Added	Added	Primer pair added for the DRB1*11:198 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DRB1*11:01 to DRB1*11:217N, i.e. all the currently recognized DRB1*11 alleles, will be amplified by the primers in the DRB1*11 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2017-August-10, release 3.29.0.

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.

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

Lot No.: **7F2**

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.

The following DRB1*11 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DRB1*11:24, 11:91	16
DRB1*11:61, 11:90	12
DRB1*11:97, 11:169N	34
DRB1*11:99, 11:128, 11:175	36

¹Alleles 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*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:

In primer mix 27, a 5'-primer was modified for improved HLA-specific amplification. In primer mix 28, a 5'-primer was modified for improved HLA-specific amplification.