Olerup SSP® DRB1*13

Product number:	**101.116-24/03 – including *Taq* pol.** **101.116-24u/03u – without *Taq* pol.**
Lot number:	**1F6**
Expiry date:	**2019-11-01**
Number of tests:	**24 tests – Product No. 101.116-24/24u** **3 tests – Product No. 101.116-03/03u**
Number of wells per test:	**57+1**

CHANGES COMPARED TO THE PREVIOUS DRB1*13 LOT (9D4):

Well	5'-primer	3'-primer	rationale
17	Moved	Moved	Two primer pairs moved to well 56 for decreased tendency of primer oligomer formation.
21	-	Removed	Excess 3'-primer removed, exchange of positive control primer pairs for decreased tendency of primer oligomer formation.
26	Added	Added	Primer pair added for increased yield of the DRB1*13:26:01 allele.
31	-	-	Exchange of positive control primer pairs for decreased tendency of primer oligomer formation.
40	-	-	Exchange of positive control primer pairs for improved HLA-specific amplification.
42	Added	Modified	5'-primer added for the DRB1*13:183 allele, 3'-primer modified for improved HLA-specific amplification.
50	Added	-	5'-primer added for the DRB1*13:183 allele.
55	Added	Added	Negative control moved to well 58. Primer pair added for the DRB1*13:213 allele.
56	Added	Added	Primer pairs added from well 17 for decreased tendency of primer oligomer formation.
57	New	New	New primer pair added for the DRB1*13:215 allele.
58	-	-	Negative control added from well 55.

THE NUMBER OF WELLS is increased from 55 to 58 wells.

ALLELE COVERAGE:
DRB1*13:01 to DRB1*13:226, i.e. all the currently recognized DRB1*13 alleles, will be amplified by the primers in the DRB1*13 subtyping kit[1,2]; www.ebi.ac.uk/imgt/hla., 2016-October-14, release 3.26.0.

The DRB1*13 kit enables separation of the confirmed DRB1*13 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*13 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*13 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DRB1*13:01:03, 13:221	23
DRB1*13:92, 13:98	36

[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*13 primer set cannot separate the DRB1*13:165 and 13:171:01 from DRB1*11:20 alleles. These alleles can be distinguished by the DR low resolution kit and/or DRB1*11 high resolution kit.
The DRB1*13 primer set cannot separate the DRB1*13:193 from DRB1*14:95 alleles. These alleles can be distinguished by the DR low resolution kit and/or DRB1*14 high resolution kit

RESOLUTION IN DRB1*13 HOMOZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF DRB1*13 SUBTYPINGS BY NON-DRB1*13 ALLELES:
None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
In primer mix 26, a primer pair was added for increased yield of the DRB1*13:26:01 allele.