

Olerup SSP® DRB1*13

Product number: 101.116-24/03 – including *Taq* pol.
101.116-24u/03u – without *Taq* pol.
Lot number: 59S
Expiry date: 2016-March-01
Number of tests: 24 tests – Product No. 101.116-24
3 tests – Product No. 101.116-03
Number of wells per test: 48

CHANGES COMPARED TO THE PREVIOUS DRB1*13 LOT (51N):

Well	5'-primer	3'-primer	rationale
2	-	Added	3'-primer added for increased yield of HLA-specific PCR product.
11	-	Modified	3'-primer modified for improved specificity of amplification.
20	Moved	Moved, modified	Primer pair moved to well 47 for decreased tendencies of primer oligomer formation, modified 3'-primer for increased yield of HLA-specific PCR product.
26	Added	-	5'-primer added for the DRB1*13:150 allele.
30	Added	-	5'-primers added for increased yield of HLA-specific PCR products.
31	Added	-	5'-primer added for the DRB1*13:152 allele.
44	New	New	New primer pair for resolution of the DRB1*13:97:02 and DRB1*13:23 alleles.
45	New	New	New primer pair for the DRB1*13:141 allele.
46	New	New	New primer pairs for the DRB1*13:137N and 13:142N alleles.
47	Added	Added	Primer pair from well 20.
48	New	New	New primer pair for the DRB*13:148 allele.

THE NUMBER OF WELLS is increased from 43 to 48.

ALLELE COVERAGE:

DRB1*13:01 to DRB1*13:164, i.e. all the currently recognized DRB1*13 alleles, will be amplified by the primers in the DRB1*13 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2013-Jul-25, release 3.13.1.

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.

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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.

¹The DRB1*13:92 and 13:98 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

The DRB1*13 subtyping kit cannot the following silent mutations: the DRB1*13:01:01-13:01:02, 13:01:04-13:01:06, 13:01:08 and 13:01:10-13:01:13, the DRB1*13:02:01 and 13:02:03-13:02:08, the DRB1*13:03:01-13:03:06, the DRB1*13:05:01-13:05:02, the DRB1*13:07:01-13:07:02, the DRB1*13:11:01-13:11:02, the DRB1*13:12:01-13:12:03, DRB1*13:14:01-13:14:03 alleles, the DRB1*13:21:01-13:21:02, the DRB1*13:23:01-13:23:02, the DRB1*13:33:02-13:33:03 and the DRB1*13:66:01-13:66:02 alleles.

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 2, one 3'-primer has been added to increase yield of HLA-specific PCR product.

In primer mix 11, one 3'-primer has been modified to improve specificity of amplification.

In primer mix 30, two 5'-primers have been added to increase yield of HLA-specific PCR product.