Olerup SSP® DRB1*09

Product number:	**101.120-06 – including *Taq* polymerase** **101.120-06u – without *Taq* polymerase**
Lot number:	**22X**
Expiry date:	**2017-April-01**
Number of tests:	**6**
Number of wells per test:	**11+1**

Changes compared to the previous DRB1*09 Lot (14S):

Well	5'-primer	3'-primer	rationale
1	Exchanged	-	5'-primer exchanged for resolution of the DRB1*09:23 allele.
2	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.
3	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.
9	New	New	New primer pair for the DRB1*09:22 allele.
10	New	New	New primer pair for the DRB1*09:21 allele.
11	New	New	New primer pair for the DRB1*09:23 allele.
12	-	-	Negative Control.

THE NUMBER OF WELLS is increased from 8 to 12 wells.

ALLELE COVERAGE:
DRB1*09:01 to DRB1*09:23, i.e. all the currently recognized DRB1*09 alleles, will be amplified by the primers in the DRB1*09 subtyping kit[1]; www.ebi.ac.uk/imgt/hla, 2014-July-25, release 3.17.0.

The DRB1*09 kit enables separation of the confirmed DRB1*09 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*09 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*09 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
DRB1*09:03, 09:09, 09:13, 09:15, 09:17-09:18	4

The DRB1*09 SSP subtyping kit cannot separate the silent mutations DRB1*09:01:02 to DRB1*09:01:10 or the DRB1*09:02:01 and DRB1*09:02:02 alleles.

[1]DRB alleles listed on the IMGT/HLA web page 2014-July-25, release 3.17.0, www.ebi.ac.uk/imgt/hla.
[2]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.

RESOLUTION IN DRB1*09 HOMOZYGOTES:
Very good.

INFLUENCE ON THE INTERPRETATION OF DRB1*09 SUBTYPINGS BY NON-DRB1*09 ALLELES:
None, or importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No suggestions received.