Olerup SSP® HLA-B*49

Product number:	**101.547-06 – including *Taq* polymerase** **101.547-06u – without *Taq* polymerase**
Lot number:	**56S**
Expiry date:	**2016-January-01**
Number of tests:	**6**
Number of wells per test:	**16**

CHANGES COMPARED TO THE PREVIOUS HLA-B*49 LOT (34R):

Well	5'-primer	3'-primer	rationale
2	Modified	Added	Modified 5'-primer for improved specificity, 3'-primer added for the B*49:26 allele, exchanged positive control primer pair.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:
B*49:01 to B*49:26, i.e. all the currently recognized HLA-B*49 alleles, will be amplified by the primers in the HLA-B*49 SSP kit[1]; www.ebi.ac.uk/imgt/hla, 2013-April-17, release 3.12.0.

The HLA-B*49 kit enables separation of the confirmed HLA-B*49 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 HLA-B*49 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

[1]The HLA-B*49 subtyping kit cannot distinguish the silent mutations in the B*49:01:01 to B*49:01:04 alleles.
The B*49:07 and 49:21 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 9.
The B*49:08 and 49:16 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 10.
The B*49:13 and 49:14 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 15.

RESOLUTION IN HLA-B*49 HOMO- AND HETEROZYGOTES:
Excellent.

INFLUENCE ON THE INTERPRETATION OF HLA-B*49 SUBTYPINGS BY NON-HLA-B*49 ALLELES:
None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No modifications made.