

101.547-06 – including *Taq* polymerase

101.547-06u – without *Taq* polymerase

Lot No.: **25Y**

Olerup SSP® HLA-B*49

Product number: 101.547-06 – including *Taq* polymerase
101.547-06u – without *Taq* polymerase
Lot number: 25Y
Expiry date: 2017-November-01
Number of tests: 6
Number of wells per test: 19+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*49 LOT (88V):

Well	5'-primer	3'-primer	rationale
12	-	Modified	3'-primer modified for improved HLA-specific amplification.
16	Exchanged	-	5'-primer exchanged for improved resolution of the B*49:03 allele, exchanged positive control primer pair.
19	Added	Added	Updated negative control moved to well 20, primer pair added for improved resolution of the B*49:04 allele.
20	-	-	Updated negative control added from well 19.

THE NUMBER OF WELLS is increased from 19 to 20 wells.

ALLELE COVERAGE:

B*49:01 to B*49:35, i.e. all the currently recognized HLA-B*49 alleles, will be amplified by the primers in the HLA-B*49 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2015-January-19, release 3.19.0.

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.

The HLA-B*49 subtyping kit cannot distinguish the silent mutations in the B*49:01:01 to B*49:01:07 alleles.

The following HLA-B*49 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*49:07, B*49:21	9
B*49:08, B*49:16	10
B*49:13, B*49:14	15

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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>.

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:

In primer mix 12 the 3'-primer was modified for improved HLA-specific amplification.