

Olerup SSP® HLA-B*49

Product number:	101.547-06 – including <i>Taq</i> polymerase 101.547-06u – without <i>Taq</i> polymerase
Lot number:	4E8
Expiry date:	2019-04-01
Number of tests:	6
Number of wells per test:	20+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*49 LOT (3D2):

Well	5'-primer	3'-primer	rationale
16	Moved, exchanged	Moved, exchanged	Primer pair moved to well 20 and exchanged for improved allelic resolution of the B*49:18:01-49:18:02 alleles.
20	Added, exchanged	Added, exchanged	Primer pair added from well 16 and exchanged for improved allelic resolution of the B*49:18:01-49:18:02 alleles. Negative control moved to well 21.
21	-	-	Negative control added from well 20.

THE NUMBER OF WELLS is increased from 20 to 21 wells.

ALLELE COVERAGE:

B*49:01 to B*49:43, 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, 2016-July-14, release 3.25.0.

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*49:01:01-49:01:08 or the B*49:18:01-49:18:02 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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¹Alleles 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:

No comments received.