

101.547-06 – including *Taq* polymerase

101.547-06u – without *Taq* polymerase

Lot No.: **88V**

## **Olerup SSP® HLA-B\*49**

<b>Product number:</b>	<b>101.547-06 – including <i>Taq</i> polymerase</b> <b>101.547-06u – without <i>Taq</i> polymerase</b>
<b>Lot number:</b>	<b>88V</b>
<b>Expiry date:</b>	<b>2016-December-01</b>
<b>Number of tests:</b>	<b>6</b>
<b>Number of wells per test:</b>	<b>18+1</b>

**CHANGES COMPARED TO THE PREVIOUS HLA-B\*49 LOT (56S):**

Well	5'-primer	3'-primer	rationale
17	New	New	New primer pair for the B*49:23 allele.
18	New	New	New primer pair for the B*49:27 allele.
19	New	New	Negative Control

**THE NUMBER OF WELLS** is increased from 16 to 19 wells.

**ALLELE COVERAGE:**

B\*49:01 to B\*49:31, i.e. all the currently recognized HLA-B\*49 alleles, will be amplified by the primers in the HLA-B\*49 SSP kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2014-April-14, release 3.16.0.

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\*49:01:06 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

<sup>1</sup>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>.

<sup>2</sup>The HLA-B\*49 primer set cannot separate the B\*49:03 and the B\*14:37 alleles. These alleles can be distinguished by the HLA-B low resolution kit.

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**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.