

## Olerup SSP<sup>®</sup> HLA-B\*54

<b>Product number:</b>	<b>101.569-06 – including <i>Taq</i> polymerase</b> <b>101.569-06u – without <i>Taq</i> polymerase</b>
<b>Lot number:</b>	<b>4G3</b>
<b>Expiry date:</b>	<b>2021-01-01</b>
<b>Number of tests:</b>	<b>6</b>
<b>Number of wells per test:</b>	<b>21+1</b>

The primers of the wells detailed below have been exchanged, added or modified compared to the previous lot.

Well	5'-primer	3'-primer	rationale
5	Modified	-	5'-primer modified for improved HLA-specific amplification.

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

B\*54:01 to B\*54:38, i.e. all the currently recognized HLA-B\*54 alleles, will be amplified by the primers in the HLA-B\*54 subtyping kit; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2018-April-16<sup>1,2</sup>, release 3.32.0.

The HLA-B\*54 kit enables separation of the confirmed HLA-B\*54 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\*54 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 HLA-B\*54 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*54:17, B*54:18	16

<sup>1</sup>HLA-B alleles listed on the IMGT/HLA web page 2018-April-16, release 3.32.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</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>.

### RESOLUTION IN HLA-B\*54 HOMO- AND HETEROZYGOTES:

Excellent.

101.569-06 – including *Taq* polymerase

101.569-06u – without *Taq* polymerase

Lot No.: **4G3**

**INFLUENCE ON THE INTERPRETATION OF HLA-B\*54 SUBTYPINGS BY NON-HLA-B\*54 ALLELES:**

None of importance.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

Primer mix 5 has been modified for improved HLA-specific amplification.