

## **Olerup SSP® HLA-B\*53**

<b>Product number:</b>	<b>101.549-06 – including <i>Taq</i> polymerase</b> <b>101.549-06u – without <i>Taq</i> polymerase</b>
<b>Lot number:</b>	<b>5E5</b>
<b>Expiry date:</b>	<b>2019-05-01</b>
<b>Number of tests:</b>	<b>6</b>
<b>Number of wells per test:</b>	<b>23+1</b>

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*53 LOT (89Y):**

Well	5'-primer	3'-primer	rationale
6	-	Added	3'-primer added for the B*53:03 allele.
21	Modified	Modified	5'- and 3'-primer modified for increased yield. Exchange of positive control primer pair.

**THE NUMBER OF WELLS** is unchanged.

#### **ALLELE COVERAGE:**

B\*53:01 to B\*53:43, i.e. all the currently recognized HLA-B\*53 alleles, will be amplified by the primers in the HLA-B\*53 SSP kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016 July-14, release 3.25.0.

The HLA-B\*53 kit enables separation of the confirmed HLA-B\*53 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\*53 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\*53 subtyping cannot distinguish the following silent mutations: the B\*53:01:01-53:01:11 alleles, the B\*53:08:01-53:08:02 or the B\*53:17:01-53:17:02 alleles.

<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 B\*53:03 and the B\*51:19, 51:42 and 51:148 alleles give rise to identical amplification patterns with the HLA-B\*53 subtyping kit. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*51 subtyping kit.

#### **RESOLUTION IN HLA-B\*53 HOMO- AND HETEROZYGOTES:**

Good.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-B\*53 SUBTYPINGS BY NON-HLA-B\*53 ALLELES:**

Many other HLA-B alleles are amplified by the HLA-B\*53 primer set.

101.549-06 – including *Taq* polymerase

101.549-06u – without *Taq* polymerase

Lot No.: **5E5**

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

No comments received.