

## **Olerup SSP<sup>®</sup> HLA-B\*51**

<b>Product number:</b>	101.561-24/03 – including <i>Taq</i> pol. 101.561-24u/03u – without <i>Taq</i> pol.
<b>Lot number:</b>	2L8
<b>Expiry date:</b>	2024-11-01
<b>Number of tests:</b>	24 tests – Product No. 101.561-24/24u 3 tests – Product No. 101.561-03/03u
<b>Number of wells per test:</b>	84+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*51 LOT (3K5):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
63	-	-	Positive control primer pair exchanged for improved HLA-specific amplification.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

B\*51:01 to B\*51:321, i.e. all the currently recognized HLA-B\*51 alleles, will be amplified by the primers in the HLA-B\*51 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2020-July-13, release 3.41.0.

The HLA-B\*51 kit enables separation of the confirmed HLA-B\*51 alleles as listed in the IMGT/HLA database 3.25.0. 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\*51 kit also enables identification of many null and alternatively expressed alleles.

The following HLA-B\*51 alleles can be distinguished by the different sizes of the specific PCR product:

<b>Alleles</b>	<b>Primer mix</b>	<b>Alleles</b>	<b>Primer mix</b>
B*51:26, 51:185	20	B*51:70, 51:71	53
B*51:30, 51:142	25	B*51:74, 51:124	54
B*51:51, 51:76	44	B*51:75, 51:77	55
B*51:55, 51:245N	37	B*51:83, 51:88	59
B*51:57, 51:123	46	B*51:84, 51:94	60
B*51:66, 51:67	64	B*51:86, 51:95	62
B*51:68, 51:72	51	B*51:127, 51:149N	73

<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>.

**101.561-24/03 – including *Taq* polymerase**

**101.561-24u/03u – without *Taq* polymerase**

**Lot No.: 2L8**

<sup>2</sup>The following alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution kit and/or the respective high-resolution kits.

**Alleles**

B\*51:119, 51:176, 51:179, 51:218, 51:226, B\*52:06:03

B\*51:220, B\*53:01:13

**RESOLUTION IN HLA-B\*51 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-B\*51 SUBTYPINGS BY NON-HLA-B\*51 ALLELES:**

None frequently occurring.

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

No comments received.