

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

Lot No.: **07V**

## Olerup SSP® HLA-B\*51

**Product number:** 101.561-24/03 – including *Taq* pol.  
 101.561-24u/03u – without *Taq* pol.

**Lot number:** 07V

**Expiry date:** 2016-June-01

**Number of tests:** 24 tests – Product No. 101.561-24  
 3 tests – Product No. 101.561-03

**Number of wells per test:** 73+1

**CHANGES COMPARED TO THE PREVIOUS HLA-B\*51 LOT (05R):**

Well	5'-primer	3'-primer	rationale
25	-	Added	3'-primer added for the B*51:142 allele.
51	-	Added	3'-primer added for the B*51:136 allele.
53	-	Added	3'-primer added for the B*51:136 allele.
62	-	Added	3'-primer added for the B*51:132 allele.
63	Added	-	5'-primer added for the B*51:148 allele.
66	-	Added	3'-primer added for the B*51:132 allele.
73	New	New	New primer pair for the B*51:149N
74	New	New	Negative Control

**THE NUMBER OF WELLS** has been increased from 72 to 74.

**ALLELE COVERAGE:**

B\*51:01 to B\*51:154, 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), 2013-July-25, release 3.13.1.

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

Alleles	Primer mix	Alleles	Primer mix
B*51:30, 51:142	25	B*51:75, 51:77	55
B*51:51, 51:765	44	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*51:70, 51:71	53		
B*51:74, 51:124	54		

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The HLA-B\*51 subtyping kit cannot distinguish following silent mutations: the B\*51:01:01, 51:01:03-51:01:07, 51:01:10-51:01:14, 51:01:16-51:01:20, 51:01:22-51:01:24, 51:01:26-51:01:38 and 51:01:41 alleles, the B\*51:01:08 and 51:01:15 alleles, the B\*51:01:21 and 51:01:25 alleles, the B\*51:02:01 and 51:02:03-51:02:05 alleles, the B\*51:13:01-51:13:02 alleles, the B\*51:24:02-51:24:04 alleles, the B\*51:56:01-51:56:02 alleles and the B\*51:61:01-51:61:02 alleles.

<sup>1</sup>The B\*51:78:02 and B\*78:02:01 alleles will give rise to identical amplification patterns with the HLA-B\*51 subtyping kit. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*78 subtyping kit.

**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:**