

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

Lot No.: **05R**

## Olerup SSP® HLA-B\*51

**Product number:** 101.561-24/03 – including *Taq* pol.  
 101.561-24u/03u – without *Taq* pol.  
**Lot number:** 05R  
**Expiry date:** 2015-February-01  
**Number of tests:** 24 tests – Product No. 101.561-24  
 3 tests – Product No. 101.561-03  
**Number of wells per test:** 72

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*51 LOT (48M):

Well	5'-primer	3'-primer	rationale
29	-	Added	3'-primer added for the B*51:01:32 allele.
30	Added	-	5'-primer added for the B*51:56:02 allele.
37	-	Modified	Increased yield of HLA-specific primer pair.
46	Added	Added	Primer pair added for the B*51:123 allele.
54	Added	Added	Primer pair added for the B*51:124 allele.
60	-	-	Exchanged positive control primer pair.
63	Moved	-	5'-primer moved to well 64, for decreased tendencies of primer oligomer formation.
64	Added	-	Primer from well 63.
65	New	New	New primer pairs for the B*51:98 and B*51:103 alleles.
66	New	New	New primer pair for the B*51:109 and B*51:120 alleles.
67	New	New	New primer pair for the B*51:100 and B*51:122 alleles.
68	New	New	New primer pair for the B*51:105 allele.
69	New	New	New primer pair for the B*51:110N allele.
70	New	New	New primer pair for the B*51:111 allele.
71	New	New	New primer pair for the B*51:117 allele.
72	New	New	New primer pair for the B51:118N allele.

**THE NUMBER OF WELLS** has been increased from 64 to 72.

### ALLELE COVERAGE:

B\*51:01 to B\*51:131, 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), 2012-April-12, release 3.8.0.

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.

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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 B\*51:51 and 51:76 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 44.

The B\*51:57 and 51:123 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 46.

The B\*51:66 and 51:67 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 64.

The B\*51:68 and 51:72 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 51.

The B\*51:70 and 51:71 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 53.

The B\*51:54 and 51:124 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 54.

The B\*51:75 and 51:77 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 55.

The B\*51:83 and 51:88 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 59.

The B\*51:84 and 51:94 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 60.

The B\*51:86 and 51:95 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 62.

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 and 51:01:26-51:01:34 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\*51:24:02-51:24:03 alleles and the B\*51:56:01-51:56:02 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:**

One 3'-primer in well 37 has been modified for increased yield of HLA-specific primer pair.