

101.561-24/03 – including *Taq* polymerase

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

Lot No.: **62X**

Olerup SSP® HLA-B*51

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

Lot number: 62X

Expiry date: 2017-May-01

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

Number of wells per test: 76+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*51 LOT (07V):

Well	5'-primer	3'-primer	rationale
7	Added	-	5'-primer added for the B*51:156 allele.
27	Added	-	5'-primer added for the B*51:126 allele.
30	Moved	Moved, modified	Primer pair moved to well 75 for decreased tendency of primer oligomer formation, 3'-primer modified for improved HLA-specific amplification.
36	Added	Added	Primer pair added for the B*51:165 allele.
38	Added	-	5'-primer added for the B*51:173Q allele.
41	Added	-	5'-primers added for the B*51:166 and B*51:169 alleles.
44	Added	-	5'-primer added for the B*51:166 allele.
45	-	Added	3'-primer added for the B*51:178N allele.
52	Added	-	5'-primer added for the B*51:107 allele.
54	Added	-	5'-primer added for the B*51:156 allele.
57	Added	Added	5'-primer added for the B*51:78:02 allele, 3'-primer added for the B*51:178N allele.
58	Added	-	5'-primer added for the B*51:107 allele.
60	-	Added	3'-primer added for the B*51:130 allele.
61	-	Added	3'-primer added for the B*51:115 allele.
63	Added	-	5'-primer added for the B*51:146 allele.
68	Added	-	5'-primer added for the B*51:134 allele.
69	-	Added	3'-primer added for the B*51:147 allele.
70	Added	-	5'-primer added for the B*51:134 allele.
71	-	Added	3'-primer added for the B*51:130 allele.
72	Added	Added	Primer pair added for the B*51:164 allele, 5'-primer added for the B*169 allele.
73	-	Added	3'-primer added for the B*51:127 allele.
74	Added	Added	Updated negative control moved to well 77, primer pair added for the B*51:157 allele.
75	Added	Added	Primer pair added from well 30, 5'-primer added for the B*51:158:01 allele.
76	New	New	New primer pairs for the B*51:152 and B*51:173Q alleles.
77	-	-	Updated negative control added from well 74.

THE NUMBER OF WELLS has been increased from 74 to 77.

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ALLELE COVERAGE:

B*51:01 to B*51:179, i.e. all the currently recognized HLA-B*51 alleles, will be amplified by the primers in the HLA-B*51 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2014-July-25, release 3.17.0.

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.

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*51:74, 51:124	54
B*51:39, 51:126	27	B*51:75, 51:77	55
B*51:51, 51:76	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*51:127, 51:149N	73
B*51:70, 51:71	53		

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, 51:01:41 and 51:01:44-51:01:50 alleles, the B*51:01:08, 51:01:15 and 51:01:43 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*51:08:01-51:08:02 alleles, the B*51:13:01-51:13:02 alleles, the B*51:24:01 and 51:24:05, the B*51:24:02-51:24:04 alleles, the B*51:61:01-51:61:02 alleles or the B*51:158:01-51:158:02 alleles.

¹ 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*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.