

Olerup SSP® HLA-B*51

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

Lot number: 6G5

Expiry date: 2021-02-01

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

Number of wells per test: 84+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*51 LOT (7E5):

Well	5'-primer	3'-primer	rationale
9	Moved	Moved	Primer pair moved to primer mix 83 for decreased tendency of primer oligomer formation.
27	Moved	Moved	Primer pair moved to primer mix 84 for decreased tendency of unspecific amplification.
53	-	Added	3'-primer added for the B*51:174:02 allele.
67	-	Added	3'-primer added for the B*51:231 allele.
73	-	Added	3'-primer added for the B*51:174:02 allele.
83	Added	Added	Negative control moved to well 85, primer pair added from well 9.
84	Added	Added	Primer pair added from well 27.
85	-	-	Negative control added from well 83.

THE NUMBER OF WELLS has been increased from 83 to 85.

ALLELE COVERAGE:

B*51:01 to B*51:234, i.e. all the currently recognized HLA-B*51 alleles, will be amplified by the primers in the HLA-B*51 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2018-April-16, release 3.32.0.

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 null and alternatively expressed alleles.

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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*51:26, 51:185	20	B*51:74, 51:124	54
B*51:30, 51:142	25	B*51:75, 51:77	55
B*51:57, 51:123	46	B*51:83, 51:88	59
B*51:66, 51:67	64	B*51:84, 51:94	60
B*51:68, 51:72	51	B*51:86, 51:95	62
B*51:70, 51:71	53	B*51:127, 51:149N	73

¹Alleles 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>.

²The B*51:119, 51:176, 51:179, 51:218, 51:226 and the B*52:06:03 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 HLA-B*52 high resolution kit.

The B*51:220 and the B*53:01:13 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 HLA-B*53 high resolution 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:

No comments received.