

Lot No.: **8L6**

Olerup SSP[®] HLA-B*18

Product number: 101.519-12 – including *Taq* polymerase
101.519-12u – without *Taq* polymerase
Lot number: 8L6
Expiry date: 2025-03-01
Number of tests: 12
Number of wells per test: 41+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (3L0):

Well	5'-primer	3'-primer	rationale
6	Added	Added	Exchanged primer pair added from well 15.
8	Moved	Moved	Primer pair moved to well 41 for improved HLA-specific amplification.
15	Removed	Removed	Removed primer pair for improved HLA-specific amplification.
19	Modified	-	5'-primer modified for reducing tendency of primer oligomer formation.
40	Added	Added	Primer pair added for B*18:172 alleles, Negative Control moved to well 42.
41	Added	Added	Primer pair added from well 8.
42	-	-	Negative Control added from well 40.

THE NUMBER OF WELLS is increased from 40 to 42 wells.

ALLELE COVERAGE:

B*18:01 to B*18:201, i.e. all the currently recognized HLA-B*18 alleles, will be amplified by the primers in the HLA-B*18 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2021-January-18 release 3.43.0.

The HLA-B*18 kit enables separation of the confirmed HLA-B*18 alleles as listed in the IMGT/HLA database 3.29.0. 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*18 kit also enables identification of many null and alternatively expressed alleles.

The following HLA-B*18 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*18:05:01:01-18:05:01:02, 18:60	6	B*18:36, 18:67	11
B*18:18:01:01-18:18:01:02, 18:47	29	B*18:37:02, 18:46	27
B*18:23N, 18:28	10	B*18:38, 18:45	28
B*18:34, 18:52	30	B*18:40, 18:51	23

HLA-B*18

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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>.

RESOLUTION IN HLA-B*18 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*18 SUBTYPINGS BY NON-HLA-B*18 ALLELES:

The B*08:xx,18:01 and B*08:xx,18:26 genotypes give rise to the same amplification patterns.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.