

Olerup SSP[®] HLA-B*18

Product number:	101.519-12 – including <i>Taq</i> polymerase 101.519-12u – without <i>Taq</i> polymerase
Lot number:	8F2
Expiry date:	2020-05-01
Number of tests:	12
Number of wells per test:	37+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (5D1):

Well	5'-primer	3'-primer	rationale
11	-	Moved	3'-primer moved to well 37 for improved HLA-specific amplification.
24	Exchanged	Exchanged	3'-and 5'-primer exchanged for improved HLA-specific amplification.
30	Removed	-	Excess 5'-primer removed.
32	Added	Added	Negative control moved to well 38, primer pairs added for the B*18:04:01-18:04:02 alleles.
33	New	New	New primer pair added for the B*18:72:01-18:72:03 alleles.
34	New	New	New primer pair added for the B*18:114 allele.
35	New	New	New primer pair added for the B*18:121 allele.
36	New	New	New primer pair added for the B*18:138N allele.
37	Exchanged	Added	New 5'-primer added, 3'-primer added from well 11 for improved HLA-specific amplification.
38	-	-	Negative Control added from well 32.

THE NUMBER OF WELLS is increased from 32 to 38 wells.

ALLELE COVERAGE:

B*18:01 to B*18:139, 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, 2017-August-10 release 3.29.0.

The HLA-B*18 kit enables separation of the confirmed HLA-B*18 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*18 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*18 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*18:05, 18:60	6	B*18:37, 18:46	27
B*18:18, 18:47	29	B*18:38, 18:45	28
B*18:23N, 18:28	10	B*18:40, 18:51	23
B*18:34, 18:52	30	B*18:42, 18:43	26
B*18:36, 18:67	11		

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:

A new 5'-primer and a 3'-primer from well 11 were added to primer mix 37 for improved HLA-specific amplification.