

101.519-12 – including *Taq* polymerase

101.519-12u – without *Taq* polymerase

Lot No.: **5D1**

Olerup SSP® HLA-B*18

Product number: 101.519-12 – including *Taq* polymerase
101.519-12u - without *Taq* polymerase

Lot number: 5D1

Expiry date: 2018-08-01

Number of tests: 12

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (56X):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the B*18:01:23 allele.
6	-	Added	3'-primer added for the B*18:60 allele.
14	Added	-	5'-primer added for the B*18:102 allele.
17	Moved, added	-	5'-primers moved to wells 29 and 30, 5'-primer added for the B*18:69 allele.
18	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.
24	Exchanged	Exchanged	Primer pair exchanged for improved HLA-specific amplification.
25	-	Modified, added	3'-primer modified for improved HLA-specific amplification, 3'-primer added for the B*18:95 allele.
26	Added	-	5'-primer added for the B*18:92 allele.
27	-	Added	3'-primer added for the B*18:94N allele.
28	-	Added	3'-primer added for the B*18:95 allele.
29	Added	-	5'-primer added from well 17 for the B*18:18 allele.
30	Added	-	5'-primer added from well 17 for the B*18:31 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*18:01 to B*18:120, 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, 2015-October-10 release 3.22.0.

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.

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.

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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*18:36, 18:67	11
B*18:18, 18:47	29	B*18:37, 18:46	27
B*18:23N, 18:28	10	B*18:38, 18:45	28
B*18:32, 18:98	18	B*18:40, 18:51	23
B*18:34, 18:52	30	B*18:42, 18:43	26

The HLA-B*18 kit cannot distinguish the silent mutations in the B*18:01:01:01-18:01:23, the B*18:07:01-18:07:02, the B*18:12:01-18:12:02 or the B*18:44:01-18:44:02 alleles.

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.