

Olerup SSP® HLA-B*18

Product number: 101.519-12 – including *Taq* polymerase
101.519-12u - without *Taq* polymerase
Lot number: 95S
Expiry date: 2016-April-01
Number of tests: 12
Number of wells per test: 32

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (31R):

Well	5'-primer	3'-primer	rationale
4	Added	-	5'-primer added for increased yield of HLA-specific PCR product.
5	Added	-	5'-primer added for the B*18:72 allele.
7	-	Added	3'-primer added for the B*18:74N allele.
8	Added	Added	Primer pair added for the B*18:81 allele.
12	-	Added	3'-primer added for the B*18:77 allele.
22	-	Added	3'-primer added for the B*18:77 allele.
25	-	Added	3'-primer added for the B*18:54 allele.
26	-	-	Exchanged positive control primer pair, for decreased tendencies of primer oligomer formation.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*18:01 to B*18:91, 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, 2013-July-25 release 3.13.1.

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.

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

The B*18:34 and 18:52 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

The B*18:36 and 18:67 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 11.

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The B*18:37 and 18:46 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 27.

The B*18:38 and 18:45 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 28.

The B*18:40 and 18:51 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

The B*18:42 and 18:43 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 26.

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.