Olerup SSP[®] HLA-B*18

Product number:	101.519-12 – including <i>Taq</i> polymerase
	101.519-12u - without Tag polymerase
Lot number:	31R
Expiry date:	2015-April-01
Number of tests:	12
Number of wells per test:	32

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (32M):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the B*18:01:16 allele.
9	Added	-	5'-primer added for the B*18:75 allele.
12	-	Added	3'-primer added for the B*18:73 allele.
13	Added	-	5'-primer added, from well 15.
15	Moved	-	5'-primer moved to well 13, for improved
			specificity of amplification.
17	Moved	Moved	Primer pair moved to well 29, for decreased
			tendencies of primer oligomer formation.
19	Added	Added	Primer pair added for the B*18:53 allele.
21	Added	-	5'-primer added for the B*18:01:14 allele.
22	Added	-	5'-primer added for the B*18:75 allele.
23	Added	Added	Primer pair added for the B*18:53 allele.
27	-	Added	3'-primers added for the B*18:73 and
			18:74N alleles.
28	-	Added	3'-primer added for the B*18:74N allele.
29	Added	Added	Primer pair from well 17.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*18:01 to B*18:76, 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, 2012-July-12 release 3.9.0.

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

HLA-B*18 Releas 101.519-12 – including *Taq* polymerase 101.519-12u – without *Taq* polymerase Lot No.: **31R**

The HLA-B*18 kit cannot distinguish the silent mutations in the B*18:01:01-18:01:17, 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.

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.

¹The HLA-B*18 primer set cannot separate the B*18:72 and the B*15:185, 39:32, 39:43 and 56:31 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*15, HLA-B*39 and HLA-B*56 high resolution kits.

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

The B*18:01,18:01 genotype gives rise to a unique amplification pattern.

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.

