Olerup SSP® HLA-B*15

Product number: **101.516-24/04 – including *Taq* pol.**
101.516-24u/04u – without *Taq* pol.
Lot number: **94N**
Expiry date: **2015-January-01**

CHANGES COMPARED TO THE PREVIOUS HLA-B*15 LOT (23L):

Well	5'-primer	3'-primer	rationale
9	Exchanged	-	Exchanged 5'-primer, for improved allelic resolution.
10	-	Added	Improved yield of HLA-specific PCR product.
11	-	-	Exchanged positive control primer pair.
49	-	Added	Improved yield of HLA-specific PCR product.
55	Added	Added	Primer pair added for the B*15:214 allele.
56	Added	Added	Primer pair added for the B*15:227 allele.
60	Added	Added	Primer pair added for the B*15:228 allele.
72	Added	Added	Primer pair added for the B*15:226N allele.
73	Added	Added	Primer pair added for the B*15:229 allele.
84	Added	-	Primer added for the B*15:211 allele.
88	-	-	Exchanged positive control primer pair.
89	-	Added	Primer added for the B*15:94N allele.
90	-	-	Exchanged positive control primer pair.
96	Added	Added	Primer pair added for the B*15:220 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:
B*15:01 to B*15:244, i.e. all the currently recognized HLA-B*15 alleles, will be amplified by the primers in the HLA-B*15 subtyping kit[1]; www.ebi.ac.uk/imgt/hla, 2012-April-12, release 3.8.0.

The HLA-B*15 kit enables separation of the confirmed HLA- B*15 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*15 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 B*15:120 and 15:228 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 60.
The B*15:166 and 15:193 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 86.

The B*15:169 and 15:225 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 87.
The B*15:208 and 15:230 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 70.

The HLA-B*15 subtyping kit cannot distinguish these silent mutations: the B*15:01:01:01, 15:01:03, 15:01:06-15:01:13, 15:01:15-15:01:16 and 15:01:18-15:01:28 alleles, the B*15:02:01-15:02:05 alleles, the B*15:03:01-15:03:02 alleles, the B*15:05:01-15:05:02 alleles, the B*15:07:01-15:07:02 alleles, the B*15:11:01-15:11:02 and 15:11:05 alleles, the B*15:13:01-15:13:02 alleles, the B*15:16:01-15:16:03 alleles, the B*15:17:01:01-15:17:02 alleles, the B*15:18:01 and 15:18:04 alleles, the B*15:25:01-15:25:03 alleles, the B*15:27:01-15:27:03 alleles, the B*15:38:01-15:38:02 alleles, the B*15:39:01-15:39:02 alleles, the B*15:47:01-15:47:02 alleles or the B*15:78:01-15:78:03 alleles.

[1]The B*15:180 and B*56:03 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution primer set.

RESOLUTION IN HLA-B*15 HOMO- AND HETEROZYGOTES:
The B*15:01,15:01, genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-B*15 SUBTYPINGS BY NON-HLA-B*15 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.