

101.516-24/04 – including *Taq* polymerase
101.516-24u/04u – without *Taq* polymerase

Lot No.: 0D5

Olerup SSP® HLA-B*15

Product number: 101.516-24/04 – including *Taq* pol.
101.516-24u/04u – without *Taq* pol.
Lot number: 0D5
Expiry date: 2018-May-01
Number of tests: 24 tests – Product No. 101.516-24/24u
4 tests – Product No. 101.516-04/04u
Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*15 LOT (66V):

Well	5'-primer	3'-primer	rationale
9	-	Added	3'-primer added for the improved yield of the B*15:237 allele.
23	-	-	Exchanged positive control primer pair for decreased tendency of primer oligomer formation.
52	-	Added	3'-primers added for the B*15:321Q and 15:307 alleles.
55	-	Added	3'-primer added for the B*15:321Q allele.
57	Added	-	5'-primer added for the B*15:300 allele.
58	Added	-	5'-primer added for the B*15:319 allele.
64	-	Added	3'-primer added for the B*15:301 allele.
65	Added	-	5'-primer added for the B*15:232 allele.
71	-	Added	3'-primer added for the B*15:347 allele.
78	Added	-	5'-primer added for the B*15:232 allele.
80	Added	-	5'-primer added for the B*15:320 allele.
88	-	Added	3'-primer added for the B*15:240 allele.
89	-	Added	3'-primer added for the B*15:282 allele.
92	-	Added	3'-primer added for the B*15:332 allele.
93	-	Added	3'-primer added for the B*15:347 allele.
95	Added	Added	Primer pair added for the B*15:358 allele.
96	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*15:01 to B*15:363, i.e. all the currently recognized HLA-B*15 alleles, will be amplified by the primers in the HLA-B*15 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2015-August-11, release 3.21.1.

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.

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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 following HLA-B*15 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*15:120, 15:258N	93	B*15:206, 15:343	50
B*15:142, 15:147	78	B*15:208, 15:230	70
B*15:166, 15:193	86	B*15:301, 15:302N	64
B*15:169, 15:225	87		

The HLA-B*15 subtyping kit cannot distinguish these silent mutations: the B*15:01:01:01, 15:01:03, 15:01:03, 15:01:06-15:01:13, 15:01:15-15:01:16, 15:01:18-15:01:30 and 15:01:32-15:01:39 alleles, the B*15:02:01-15:02:09 alleles, the B*15:03:01-15:03:02 and 15:03:04-15:03:05 alleles, the B*15:04:01-15:04:2 alleles, the B*15:05:01-15:05:02 alleles, the B*15:07:01-15:07:03 alleles, the B*15:08:01-15:08:02 alleles, the B*15:10:01 and 15:10:03-15:10:04 alleles, the B*15:11:01-15:11:02 and 15:11:05-15:11:06 alleles, the B*15:13:01-15:13:02 alleles, the B*15:16:01-15:16:03 alleles, the B*15:17:01:01-15:17:03 alleles, the B*15:18:01 and 15:18:04-15:18:06 alleles, the B*15:24:01-15:24:02 alleles, the B*15:25:01-15:25:03 alleles, the B*15:27:01-15:27:03 alleles, the B*15:32:01-15:32:02 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, the B*15:64:01-15:64:02 alleles, the B*15:78:01-15:78:03 or the B*15:179:01-15:179:02 alleles.

¹ Alleles 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*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.