

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

Lot No.: **66V**

Olerup SSP® HLA-B*15

Product number: 101.516-24/04 – including *Taq* pol.
 101.516-24u/04u – without *Taq* pol.
Lot number: 66V
Expiry date: 2016-November-01

CHANGES COMPARED TO THE PREVIOUS HLA-B*15 LOT (93R):

Well	5'-primer	3'-primer	rationale
4	-	Added	3'-primer added for the B*15:285 allele.
39	-	Added	3'-primer added for the B*15:285 allele.
51	-	Added	3'-primer added for the B*15:278 allele.
52	Added	Added	Primer pair added from well 77.
55	-	Added	3'-primer added for the B*15:284 allele.
60	Added	-	5'-primer added for the B*15:271 allele.
64	Added	Added	Primer pair added for the B*15:302N allele.
77	Added, moved	Added, moved	Primer pair added from well 96, 5'-primer added for improved HLA-specific amplification, primer pair moved to well 52.
79	Added	Added	Primer added for the B*15:270 allele.
82	-	Added	3'-primer added for the B*15:277 allele.
86	-	Added	3'-primer added for the B*15:272N allele.
92	-	Added	3'-primer added for the B*15:266 allele.
93	-	Added	3'-primer added for the B*15:304N allele.
94	-	Added	3'-primer added for the B*15:272N allele.
96	Moved	Moved	Primer pair moved to well 77, Negative Control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*15:01 to B*15:304N, 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, 2014-January-17, release 3.15.0.

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.

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

Lot No.: **66V**

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*15:92, 15:104	52	B*15:166, 15:193	86
B*15:120, 15:258N	93	B*15:169,15:225	87
B*15:142, 15:147	78	B*15:208, 15:230	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, 15:01:18-15:01:30 and 15:01:32-15:01:34 alleles, the B*15:02:01-15:02:08 alleles, the B*15:03:01-15:03:02 and 15:03:04 alleles, the B*15:05:01-15:05:02 alleles, the B*15:07:01-15:07:03 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*15:17:01:01-15:17:02 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, 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 or the B*15:78:01-15:78:03 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*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:

In primer mix 77, 5'-primer added for improved HLA-specific amplification.