

Olerup SSP® HLA-B*15

Product number: 101.516-24/04 – including *Taq* pol.
101.516-24u/04u – without *Taq* pol.
Lot number: 9N3
Expiry date: 2026-05-01
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 (1L5):

Well	5'-primer	3'-primer	rationale
12	-	-	Positive control primer pair exchanged for reduced tendency of primer oligomer formation.
19	Modified	-	Modified 5'-primer for improved HLA-specific amplification.
77	-	Exchanged	Exchanged 3'-primer for improved HLA-specific amplification, redundant primers removed.
79	-	Added	3'-primer added from mix 89.
89	Exchanged	Moved	Exchanged 5'-primer, 3'-primer moved to mix 79 for improved HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*15:01 to B*15:632, 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, 2022-April-19, release 3.48.0.

The HLA-B*15 kit enables separation of the confirmed HLA-B*15 alleles as listed in the IMGT/HLA database 3.25.0. 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 null and alternatively expressed alleles.



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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*15:81, 15:430	82	B*15:166, 15:193	86
B*15:82, 15:256	36	B*15:169, 15:225	87
B*15:92, 15:104, 15:591	52	B*15:202, 15:239, 15:477	90
B*15:120, 15:258N	93	B*15:206, 15:343	50
B*15:142, 15:147, 15:429	78	B*15:208, 15:230	70
B*15:146, 15:441	75	B*15:301, 15:302N	64

The HLA-B*15 primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the respective high resolution kits:

Alleles

B*15:180, 46:71, 46:89
B*15:515, 35:43:01, 35:135, 35:185, 51:220

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:

No comments received.



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