

Olerup SSP[®] HLA-B*07

Product number:	101.512-24/03 – including <i>Taq</i> pol. 101.512-24u/03u – without <i>Taq</i> pol.
Lot number:	4F6
Expiry date:	2020-03-01
Number of tests:	24 tests – Product No. 101.512-24/24u 3 tests – Product No. 101.512-03/03u
Number of wells per test:	88+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*07 LOT (3D9):

Well	5'-primer	3'-primer	rationale
9	Modified	-	5'-primer modified for increased yield.
22	Exchanged	Exchanged	Primer pair exchanged for improved HLA-specific amplification.
23	Added	-	5'-primer added for the B*07:272N allele.
29	Modified	Modified	5'-primer and 3'-primers modified for improved HLA-specific amplification.
36	-	Added	3'-primer added for the B*07:285N allele.
43	Added	-	5'-primer added for the B*07:272N allele.
55	Added	-	5'-primers added for the B*07:276:01-07:276:02 alleles.
64	Exchanged	-	5'-primer exchanged for increased yield.
74	Added	-	5'-primer added for the B*07:282 allele.
78	Added	-	5'-primer added for the B*07:282 allele.
82	Added	-	5'-primers added for the B*07:276:01-07:276:02 alleles.
84	-	Exchanged	3'-primer exchanged for increased yield.
85	-	Added	3'-primer added for the B*07:285N allele.
87	-	Added	3'-primer added for the B*07:218 allele.
88	Added	Added	Negative control moved to well 89, primer pair added for the B*07:271 allele.
89	-	-	Negative control added from well 88.

THE NUMBER OF WELLS is increased from 88 to 89 wells.

ALLELE COVERAGE:

B*07:02 to B*07:290, i.e. all the currently recognized HLA-B*07 alleles, will be amplified by the primers in the HLA-B*07 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2017-January-20, release 3.27.0.

The HLA-B*07 kit enables separation of the confirmed HLA-B*07 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*07 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

101.512-24/03 – including Taq polymerase
101.512-24u/03u – without Taq polymerase

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The following HLA-B*07 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*07:42, 07:118	26	B*07:94, 07:135	63
B*07:49N, 07:169	73	B*07:102, 07:106	69
B*07:61, 07:149	33	B*07:121, 07:126	75
B*07:63, 07:143	35	B*07:129, 07:231N	78
B*07:89, 07:246	59		

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>.

²The B*07:50 and B*48:08 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution kit and/or the HLA-B*48 high resolution kit.

RESOLUTION IN HLA-B*07 HOMO- AND HETEROZYGOTES:

The B*07:02,07:02 genotype gives rise to a unique amplification pattern, with the exception of some unconfirmed alleles.

INFLUENCE ON THE INTERPRETATION OF HLA-B*07 SUBTYPINGS BY NON-HLA-B*07 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 22, the primer pair was exchanged for improved HLA-specific amplification.