

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

Lot No.: **92R**

Olerup SSP® HLA-B*07

Product number: 101.512-24/03 – including *Taq* pol.
 101.512-24u/03u – without *Taq* pol.
Lot number: 92R
Expiry date: 2015-September-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: 80

CHANGES COMPARED TO THE PREVIOUS HLA-B*07 LOT (32N):

Well	5'-primer	3'-primer	rationale
7	Modified	-	Increased yield of HLA-specific PCR product.
21	Modified		Increased yield of HLA-specific PCR product.
33	Added	Added	Primer pair added for the B*07:149 allele
36	-	Added	3'-primer added for the C*07:167N allele.
41	Added	Added	Primer pair added for the B*07:149 allele, 5'-primer added for the C*07:156 allele.
50	Modified	Added	Improved specificity of primer pair, 3'-primer added for the C*07:175 allele.
54	-	Added	3'-primer added for the C*07:167N allele.
65	-	Modified	Improved specificity of primer pair.
68	-	Added	3'-primer added for the C*07:148 allele.
73	Added		Primer pair added for the B*07:119 allele, 5'-primer added for the C*07:169allele.
74	Added		5'-primer added for the C*07:156 allele. .
75	Modified	Added	Improved specificity of primer pair, 3'-primer added for the C*07:175 allele.
77	Added	Added	Primer pair added for the C*07:148 allele.
79	Added	Added	Primer pair added for the C*07:119 allele.
80	New	New	New primer pair for the C*07:161N allele.

THE NUMBER OF WELLS has been increased from 79 to 80.

ALLELE COVERAGE:

B*07:02 to B*07:176, 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, 2012-October-14, release 3.10.0.

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

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The HLA-B*07 subtyping kit cannot distinguish the following silent mutations: the B*07:02:01-07:02:25, 07:02:27 and 07:02:29-07:02:37, the B*07:05:01-07:05:06, the B*07:18:01-07:18:02, the B*07:22:01-07:22:02 the B*07:56:01-B*07:56:02, the B*07:68:01-07:68:03 or the B*07:96:01-07:96:02 alleles.

¹The B*07:42 and 07:118 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 26.

The B*07:49N and 07:169 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 73.

The B*07:94 and 07:135 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 63.

The B*07:102 and 07:106 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 69.

The B*07:121 and 07:126 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 75.

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 primer set.

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:

No comments received.