

101.512-24/03 – including *Taq* polymerase

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

Lot No.: **84V**

Olerup SSP® HLA-B*07

Product number: 101.512-24/03 – including *Taq* pol.
101.512-24u/03u – without *Taq* pol.

Lot number: 84V

Expiry date: 2017-January-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: 83+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*07 LOT (74S):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the B*07:02:39 allele.
11	-	Added	3'-primer added for the B*07:132 allele.
16	-	Added	3'-primer added for the B*07:132 allele.
43	Exchanged	Exchanged	Exchanged primer pair for decreased tendency of primer oligomer formation.
69	-	Added	3'-primer added for the B*07:136 allele.
76	-	Added	3'-primer added for the B*07:136 allele.
81	New	New	New primer pair added for the B*07:151:01 allele.
82	New	New	New primer pair added for the B*07:163 allele.
83	New	New	New primer pair added for the B*07:174 allele.
84	-	-	Negative Control.

THE NUMBER OF WELLS is increased from 80 to 84 wells.

ALLELE COVERAGE:

B*07:02 to B*07:219, 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, 2014-April-14, release 3.16.0.

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

The HLA-B*07 subtyping kit cannot distinguish the following silent mutations: the B*07:02:01-07:02:25, 07:02:27 and 07:02:29-07:02:41, 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*07:33:01-07:33:03, the B*07:56:01-B*07:56:02, the B*07:68:01-07:68:03, the B*07:96:01-07:96:02 or the B*07:151:01-07:151:02 alleles.

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

Lot No.: **84V**

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*07:107, 07:181N	71
B*07:63, 07:143	35	B*07:121, 07:126	75

The HLA-B*07 subtyping kit cannot distinguish the following silent mutations: the B*07:02:01-07:02:25, 07:02:27 and 07:02:29-07:02:41, 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*07:33:01-07:33:03, the B*07:56:01-B*07:56:02, the B*07:68:01-07:68:03, the B*07:96:01-07:96:02 or the B*07:151:01-07:151:02 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>.

² The 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:

No comments received.