

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

**Lot No.: 3D9**

## **Olerup SSP® HLA-B\*07**

**Product number:** 101.512-24/03 – including *Taq* pol.  
101.512-24u/03u – without *Taq* pol.  
**Lot number:** 3D9  
**Expiry date:** 2018-07-01  
**Number of tests:** 24 tests – Product No. 101.512-24/24u  
3 tests – Product No. 101.512-03/03u  
**Number of wells per test:** 87+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*07 LOT (84V):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
3	Added	-	5'-primer added for the B*07:02:46 allele.
35	Modified	-	5'-primer modified for improved HLA-specific amplification.
54	-	Added	3'-primer added for the B*07:238 allele.
69	-	Added	3'-primer added for the B*07:136:02 allele.
76	-	Added	3'-primer added for the B*07:136:02 allele.
78	-	Added	3'-primer added for the B*07:231N allele.
81	Exchanged	Exchanged	Exchanged primer pair for increased amplification.
84	Added	Added	Updated negative control moved to well 88, primer pair added for the B*07:248 allele.
85	New	New	New primer pairs added for the B*07:208 and B*07:238 alleles.
86	New	New	New primer pair added for the B*07:219 allele.
87	New	New	New primer pair added for the B*07:251N allele.
88	-	-	Updated negative control added from well 84.

**THE NUMBER OF WELLS** is increased from 84 to 88 wells.

### **ALLELE COVERAGE:**

B\*07:02 to B\*07:256, i.e. all the currently recognized HLA-B\*07 alleles, will be amplified by the primers in the HLA-B\*07 subtyping kit <sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-October-11, release 3.22.0.

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 07:02:29-07:02:48, the B\*07:05:01-07:05:08, the

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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, the 07:136:01-07:136:02 or the B\*07:151:01-07:151:02 alleles.

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
B*07:89, 07:246	59	B*07:129, 07:231N	78

<sup>1</sup> 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>.

<sup>2</sup> 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.