

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

Lot No.: **9G7**

Olerup SSP® HLA-B*07

Product number: 101.512-24/03 – including *Taq* pol.
101.512-24u/03u – without *Taq* pol.
Lot number: 9G7
Expiry date: 2021-07-01
Number of tests: 24 tests – Product No. 101.512-24/24u
3 tests – Product No. 101.512-03/03u
Number of wells per test: 88+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*07 LOT (4F6):

| Well | 5'-primer | 3'-primer | rationale |
|------|-----------|-----------|---|
| 29 | Modified | - | 5'-primer modified for improved HLA-specific amplification and decreased tendency of primer oligomer formation. |
| 39 | - | - | Strength of positive control band has been optimized. |
| 51 | - | Added | 3'-primer added for the B*07:316N allele. |
| 61 | - | Added | 3'-primer added for the B*07:316N allele. |
| 65 | - | Added | 3'-primer added for the B*07:315N allele. |
| 72 | - | Added | 3'-primer added for the B*07:315N allele. |
| 74 | Modified | - | 5'-primer modified for increased yield of the B*07:120 allele. |
| 81 | - | Modified | 3'-primer modified for increased yield of the B*07 alleles. |
| 86 | Exchanged | - | 5'-primer exchanged for increased allelic resolution. |

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*07:02 to B*07:316N, 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, 2018-July-11, release 3.33.0.

The HLA-B*07 kit enables separation of the confirmed HLA-B*07 alleles as listed in the IMGT/HLA database 3.27.0. 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*07 kit also enables identification of null and alternatively expressed alleles.

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

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| Alleles | Primer mix | Alleles | Primer mix |
|------------------|------------|-------------------|------------|
| B*07:42, 07:118 | 26 | B*07:89, 07:246 | 59 |
| B*07:49N, 07:169 | 73 | B*07:94, 07:135 | 63 |
| B*07:60, 07:100 | 31 | 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 |

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 74, a 5'-primer has been modified for increased yield of the B*07:120 allele.