

## **Olerup SSP<sup>®</sup> HLA-B\*18**

**Product number:** 101.519-12 – including *Taq* polymerase  
101.519-12u – without *Taq* polymerase  
**Lot number:** 5H2  
**Expiry date:** 2021-11-01  
**Number of tests:** 12  
**Number of wells per test:** 39+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*18 LOT (8F2):**

Well	5'-primer	3'-primer	rationale
18	Moved, exchanged	Moved	Primer pair moved to primer well 39 and 5'-primer exchanged for improved HLA-specific amplification and decreased tendency of primer oligomer formation.
38	New, moved	New	New primer pair added for the B*18:154N allele. Negative control moved to well 40.
39	Added	Added	Primer pair added from well 18.
40	-	-	Negative Control added from well 38.

**THE NUMBER OF WELLS** is increased from 38 to 40 wells.

#### **ALLELE COVERAGE:**

B\*18:01 to B\*18:158, i.e. all the currently recognized HLA-B\*18 alleles, will be amplified by the primers in the HLA-B\*18 subtyping kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2018-August-18 release 3.34.0.

The HLA-B\*18 kit enables separation of the confirmed HLA-B\*18 alleles as listed in the IMGT/HLA database 3.29.0. 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\*18 kit also enables identification of null and alternatively expressed alleles.

The following HLA-B\*18 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*18:05:01:01- 18:05:01:02, 18:60	6	B*18:37:01- 18:37:02, 18:46	27
B*18:18:01:01- 18:18:01:02, 18:47	29	B*18:38, 18:45	28
B*18:23N, 18:28	10	B*18:40, 18:51	23
B*18:34, 18:52	30	B*18:42, 18:43	26
B*18:36, 18:67	11		

**HLA-B\*18**

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<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>.

**RESOLUTION IN HLA-B\*18 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-B\*18 SUBTYPINGS BY NON-HLA-B\*18 ALLELES:**

The B\*08:xx,18:01 and B\*08:xx,18:26 genotypes give rise to the same amplification patterns.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No comments received.