

101.568-06 – including *Taq* polymerase

101.568-06u – without *Taq* polymerase

Lot No.: **7E4**

## **Olerup SSP® HLA-B\*58**

**Product number:** 101.568-06 – including *Taq* polymerase  
101.568-06u – without *Taq* polymerase  
**Lot number:** 7E4  
**Expiry date:** 2019-07-01  
**Number of tests:** 6  
**Number of wells per test:** 30+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*58 LOT (90Y):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
7	Modified	Modified	5'- and 3'-primer modified for increased yield.
11	-	Added	3'-primer added for the B*58:02:02 allele.
17	Moved	Moved	Primer pair moved to well 28 for improved allelic resolution.
24	Added	Added	Primer pair added for improved allelic resolution.
28	Added	Added	Negative Control moved to well 31, primer pair added from well 17 for improved allelic resolution.
29	New	New	New primer pair added for the B*58:59:01-58:59:02 alleles.
30	New	New	Primer pair added for the B*58:62 allele.
31	-	-	Negative Control added from well 28.

**THE NUMBER OF WELLS** is increased from 28 to 31 wells.

### **ALLELE COVERAGE:**

B\*58:01 to B\*58:81, i.e. all the currently recognized HLA-B\*58 alleles, will be amplified by the primers in the HLA-B\*58 subtyping kit ; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-July-14<sup>1</sup>, release 3.25.0.

The HLA-B\*58 kit enables separation of the confirmed HLA-B\*58 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\*58 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\*58 primer set cannot distinguish the following silent mutations: the B\*58:01:01:01-58:01:19 alleles, the B\*58:02:01-58:02:02, the B\*58:16:01-58:16:02 alleles, the B\*58:28:01-58:28:02 or the B\*58:59:01-58:59:02 alleles.

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The following HLA-B\*58 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*58:10N, 58:13	12
B*58:21, 58:29	20
B*58:58, 58:66	26

<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\*58 HOMO- AND HETEROZYGOTES:

Good.

#### INFLUENCE ON THE INTERPRETATION OF HLA-B\*58 SUBTYPINGS BY NON-HLA-B\*58 ALLELES:

None frequently occurring.

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

No comments received.