

**101.562-06 – including *Taq* polymerase**

**101.562-06u – without *Taq* polymerase**

**Lot No.: 4D5**

## **Olerup SSP® HLA-B\*52**

**Product number:** 101.562-06 – including *Taq* polymerase  
101.562-06u – without *Taq* polymerase

**Lot number:** 4D5

**Expiry date:** 2018-08-01

**Number of tests:** 6

**Number of wells per test:** 20+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*52 LOT (87V):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
9	-	Added	3'-primer added for the B*52:49N allele.
15	Moved	Moved	Primer pair moved to well 20 for improved HLA-specific amplification.
16	Added	Added	Updated negative control moved to well 21, primer pair added for improved resolution of the B*52 versus B*53 alleles.
17	New	New	New primer pair added for the B*52:43 allele.
18	New	New	New primer pair added for the B*52:30 allele.
19	New	New	New primer pair added for the B*52:53 allele.
20	Added	Added	Primer pair added from well 15, exchanged of positive control primer pair.
21	-	-	Updated negative control added from well 16.

**THE NUMBER OF WELLS** is increased from 16 to 21 wells.

### **ALLELE COVERAGE:**

B\*52:01 to B\*52:56, i.e. all the currently recognized HLA-B\*52 alleles, will be amplified by the primers in the HLA-B\*52 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-October-10, release 3.22.0.

The HLA-B\*52 kit enables separation of the confirmed HLA-B\*52 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\*52 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\*52 primer set cannot distinguish the silent mutations in the B\*52:01:01:01-52:01:28 alleles, the B\*52:02:01-52:02:02 alleles, the B\*52:06:02-52:06:03 alleles, the B\*52:10:01-52:10:03 alleles or the B\*52:31:01-52:31:02 alleles.

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The following HLA-B\*52 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*52:04, 52:09	2
B*52:14, 52:49	9
B*52:20, 52:25	8
B*52:31:01-52:31:02, 53:28	16

<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 HLA-B\*52 primer set cannot separate the B\*52:28-52:29 and the B\*53:17:01-53:17:02 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*53 high resolution kit.

#### **RESOLUTION IN HLA-B\*52 HOMO- AND HETEROZYGOTES:**

The B\*52:01,52:01 genotype gives rise to a unique amplification pattern with respect to confirmed alleles.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-B\*52 SUBTYPINGS BY NON-HLA-B\*52 ALLELES:**

None frequently occurring.

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

No suggestions received.