

101.562-06 – including *Taq* polymerase

101.562-06u – without *Taq* polymerase

Lot No.: **87V**

Olerup SSP® HLA-B*52

Product number: 101.562-06 – including *Taq* polymerase
101.562-06u – without *Taq* polymerase
Lot number: 87V
Expiry date: 2017-January- 01
Number of tests: 6
Number of wells per test: 15+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*52 LOT (90R):

Well	5'-primer	3'-primer	rationale
4	Added	Added	Primer pair added for the B*52:36 allele, exchanged positive control primer pair.
5	Added	-	5'-primer added from well 7.
6	Added	Added	Primer pair added from well 7.
7	Added, moved	Added, moved	Primer pairs added from well 16, primers moved to wells 5 and 6.
8	-	Added	3'-primer added for the B*52:25 allele.
12	-	Added	3'-primer added for the B*52:01:19 allele.
16	Moved	Moved	Primer pair moved to well 7, Negative Control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*52:01 to B*52:39, i.e. all the currently recognized HLA-B*52 alleles, will be amplified by the primers in the HLA-B*14 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2014-April-14, release 3.16.0.

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*52:01:01:01-52:01:20 alleles, the B*52:02:01-52:02:02 alleles or the B*52:10:01-52:10:03 alleles.

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*52:12, 52:27	15
B*52:20, 52:25	8

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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 HLA-B*52 primer set cannot separate the B*52:01:01:01-52:01:20, 52:22-52:24, 52:30-52:31:02 and 52:33-52:35, 52:37-52:39 alleles and the B*53:28 allele. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*53 high resolution kit.

The HLA-B*52 primer set cannot separate the B*52:28-52:29 alleles 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.