

101.570-06 – including *Taq* polymerase

101.570-06u – without *Taq* polymerase

Lot No.: **9E2**

Olerup SSP® HLA-B*55

Product number: 101.570-06 – including *Taq* polymerase
101.570-06u – without *Taq* polymerase
Lot number: 9E2
Expiry date: 2019-10-01
Number of tests: 6
Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*55 LOT (81Y):

Well	5'-primer	3'-primer	rationale
5	Added	-	5'-primer added from well 29.
9	-	Modified	3'-primer modified for increased yield.
11	Modified	-	5'-primer modified for improved HLA-specific amplification.
13	Modified	-	5'-primer modified for improved HLA-specific amplification.
18	-	Modified	3'-primer modified for increased yield.
25	-	Modified	3'-primer modified for improved HLA-specific amplification.
28	-	Modified	3'-primer modified for improved HLA-specific amplification.
29	Moved, Added	Added	5'-primer moved to well 5 and well 30, primer pair added for improved allelic resolution.
30	Added	-	5'-primer added from well 29.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*55:01 to B*55:80, i.e. all the currently recognized and released HLA-B*55 alleles, will be amplified by the primers in the HLA-B*55 SSP kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2016-October-14, release 3.26.0.

The HLA-B*55 kit enables separation of the confirmed HLA-B*55 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*55 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*55 subtyping kit cannot separate the silent mutations in the B*55:01:01-55:01:06 and 55:01:08-55:01:16 alleles or the B*55:02:01:01-55:02:10 alleles.

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The following HLA-B*55 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*55:26, 55:62	25

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*55 primer set cannot separate the B*55:78 and the B*15:42 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*15 high resolution kit.

RESOLUTION IN HLA-B*55 HOMO- AND HETEROZYGOTES:

The B*55:01,55:01, B*55:01,55:02 and B*55:02,55:02 genotypes give rise to unique amplification patterns with regard to confirmed HLA-B*55 alleles.

INFLUENCE ON THE INTERPRETATION OF HLA-B*55 SUBTYPINGS BY NON-HLA-B*55 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 11 and 13, 5-primers were modified for improved HLA-specific amplification.