

Olerup SSP® HLA-B*39

Product number: 101.566-12/04 – including *Taq* pol.
101.566-12u/04u – without *Taq* pol.
Lot number: 87S
Expiry date: 2016-May-01
Number of tests: 12 tests – Product No. 101.566-12/12u
4 tests – Product No. 101.566-04/04u
Number of wells per test: 32

Changes compared to the previous HLA-B*39 Lot (47R):

Well	5'-primer	3'-primer	rationale
5	-	Added	3'-primer added for the B*39:01:15 allele.
9	Moved, exchanged	Moved	Primer pair moved to well 22, 5'-primer exchanged for decreased tendency of primer oligomer formation.
10	-	Added	3'-primer added for B*39:43 allele, for improved allelic resolution.
13	Moved	Moved	Primer pair moved to well 17.
17	Added	Added	Primer pair added from well 13.
18	-	Added	3'-primer added from well 22.
22	Moved, added	Moved, added	Primer pairs moved to wells 18 and 32, primer pair added from well 9.
30	-	Added	3'-primer added for B*39:75 allele.
31	Exchanged	Exchanged	Primer pair exchanged for decreased tendency of unspecific amplifications.
32	Added	Added	Primer pair added for the B*39:77 allele, 5'-primer added from well 22.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*39:01 to B*39:83 i.e. all the currently recognized HLA-B*39 alleles, will be amplified by the primers in the HLA-B*39 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2013-July-25 release 3.13.1.

The HLA-B*39 kit enables separation of the confirmed HLA-B*39 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*39 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*39 subtyping kit cannot distinguish the silent mutations in the B*39:01:01:01, 39:01:01:03, 39:01:03, 39:01:06-39:01:08 and 39:01:10-39:01:16, alleles, the B*39:05:01-

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39:05:02 alleles, the B*39:06:01-39:06:02 alleles, the B*39:13:01-39:13:02 alleles, the B*39:24:01-39:24:02 alleles or the B*39:40:01N-39:40:02N alleles.

The B*39:01:01:02L and B*39:60 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 25.

The B*39:25 and B*39:44 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

The B*39:35 and B*39:75 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

The B*39:41 and B*39:77 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 32.

The B*39:62 and B*39:64 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

¹The B*39:10:01 and 67:01:02-67:01:03 alleles will give rise to identical amplification patterns with the HLA-B*39 subtyping kit. These two alleles can be distinguished by the HLA-B low resolution and/or HLA-B*67 kits.

RESOLUTION IN HLA-B*39 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*39 SUBTYPINGS BY NON-HLA-B*39 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.