

101.566-12/04 – including *Taq* polymerase
101.566-12u/04u – without *Taq* polymerase

Lot No.: 9F5

Olerup SSP® HLA-B*39

Product number: 101.566-12/04 – including *Taq* pol.
101.566-12u/04u – without *Taq* pol.
Lot number: 9F5
Expiry date: 2020-08-01
Number of tests: 12 tests – Product No. 101.566-12/12u
4 tests – Product No. 101.566-04/04u
Number of wells per test: 43+1

Changes compared to the previous HLA-B*39 Lot (6D6):

Well	5'-primer	3'-primer	rationale
7	Modified	-	5'-primers modified for improved HLA-specific amplification.
23	Modified	-	5'-primer modified for decreased tendency of primer oligomer formation.
39	Added	Added	Negative control moved to well 44, primer pair added for the B*39:98 allele.
40	New	New	New primer pair added for the B*39:116N allele.
41	New	New	New primer pair added for the B*39:108 allele.
42	New	New	New primer pair added for the B*39:112 allele.
43	New	New	New primer pair added for improved allelic resolution of the B*39 alleles.
44	-	-	Negative control added from well 39.

THE NUMBER OF WELLS is increased from 39 to 44 wells.

ALLELE COVERAGE:

B*39:01 to B*39:128 i.e. all the currently recognized HLA-B*39 alleles, will be amplified by the primers in the HLA-B*39 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2017-August-10 release 3.29.0.

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 following HLA-B*39 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*39:01:05, 39:59	9	B*39:41, 39:77	13
B*39:25N, 39:44	17	B*39:62, 39:64	30
B*39:26, 39:51	4	B*39:87N, 39:93	33
B*39:35, 39:75	30		

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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>.

³The B*39:107 and the B*14:53 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*14 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:

In primer mix 7, two 5'-primers were modified for improved HLA-specific amplification.