Olerup SSP® HLA-B*39

Product number:	**101.566-12/04 – including *Taq* pol.** **101.566-12u/04u – without *Taq* pol.**
Lot number:	**6D6**
Expiry date:	**2018-09-01**
Number of tests:	**12 tests – Product No. 101.566-12/12u** **4 tests – Product No. 101.566-04/04u**
Number of wells per test:	**38+1**

Changes compared to the previous HLA-B*39 Lot (82X):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the B*39:01:21 allele.
4	-	Removed	3'-primer removed for improved HLA-specific amplification.
12	-	Added	3'-primer added for the B*39:99 allele.
22	Exchanged	Exchanged	Primer pair exchanged for decreased tendency of primer oligomer formation.
32	Added	Added	Updated negative control moved to well 39, primer pairs added for the B*39:79 and B*39:89 alleles.
33	New	New	New primer pairs added for the B*39:87N and B*39:93 alleles.
34	New	New	New primer pair added for the B*39:86 allele.
35	New	New	New primer pair added for the B*39:92 allele.
36	New	New	New primer pair added for the B*39:102 allele.
37	New	New	New primer pair added for the B*39:95N allele.
38	New	New	New primer pair added for the B*39:97N allele.
39	-	-	Updated negative control added from well 32.

THE NUMBER OF WELLS is increased from 32 to 39 wells.

ALLELE COVERAGE:
B*39:01 to B*39:107 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, 2015-October-10 release 3.22.0.

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 HLA-B*39 subtyping kit cannot distinguish the silent mutations in the B*39:01:01:01, 39:01:01:03-39:01:01:04, 39:01:03, 39:01:06-39:01:08 and 39:01:10-39:01:22 alleles, the B*39:05:01-39:05:02 alleles, the B*39:06:01-39:06:02 and 39:06:04-39:06:05 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 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*39:01:01:02L, 39:60	25	B*39:35, 39:75	30
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

[1]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.
[3]The B*39:10:01 and 39:96 and the 67:01:02-67:01:03 and 67:05 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.
The B*39:47 and the B*14:46 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 kit.
The B*39:104 and the B*38:41 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*38 kits.
The B*39:106 and the B*14:08:01-14:08:02 and 14:10 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:
No comments received.