

Lot No.: **10S**

Olerup SSP[®] HLA-A*68

Product number: 101.418-12/04 – including *Taq* pol.
101.418-12u/04u – without *Taq* pol.
Lot number: 10S
Expiry date: 2015-October-01
Number of tests: 12 tests – Product No. 101.418-12/12u
4 tests – Product No. 101.418-04/04u
Number of wells per test: 46

CHANGES COMPARED TO THE PREVIOUS HLA-A*68 LOT (36N):

Well	5'-primer	3'-primer	rationale
14	Moved, exchanged	Moved	Primer pair moved to well 45, to decrease primer oligomer formation, exchanged 5'-primer for resolution of the the A*68:13:02 allele.
25	Moved	Moved	Primer pair moved to well 46, for improved specificity.
29	-	Modified	Increased yield of specific PCR product.
30	-	Modified	Increased yield of specific PCR product.
32	-	-	Exchanged positive control primer pair,
36	Modified	-	Increased yield of specific PCR product.
43	New	New	New primer pair for the A*68:94N allele.
44	New	New	New primer pair for the A*68:96 allele.
45	New	New	Primer pair from well 14.
46	New	New	Primer pair from well 25

THE NUMBER OF WELLS is increased from 42 to 46.

ALLELE COVERAGE:

A*68:01 to A*68:99, i.e. all the currently recognized HLA-A*68 alleles, will be amplified by the primers in the HLA-A*68 subtyping kit¹, www.ebi.ac.uk/imgt/hla, 2013-January-11, release 3.11.0. The HLA-A*69:01 allele also gives rise to a unique amplification pattern.

The HLA-A*68 kit enables separation of the confirmed HLA-A*68 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-A*68 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-A*68 subtyping kit cannot distinguish the following silent mutations: the A*68:01:01:01-68:01:01:02, 68:01:03-68:01:05, 68:01:07-68:01:12 and 68:01:18, the A*68:01:02 and 68:01:06, the 68:01:15-68:01:17, the A*68:02:01:01-68:02:05, the A*68:03:01-68:03:02 and the 68:13:01-68:13:02 alleles.

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¹The A*68:01:14 and the A*34:02:01-34:02:02 alleles give rise to identical amplification patterns with the HLA-A*68 subtyping kit. These alleles can be distinguished by e.g. the HLA-A low resolution kit.

The A*68:27 and the A*66:16 and A*66:18 alleles give rise to identical amplification patterns with the HLA-A*68 subtyping kit. These alleles can be distinguished by e.g. the HLA-A low resolution kit and/or the HLA-A*66 subtyping kit.

The A*68:66 and 68:75 and the A*03:50 and 03:66 alleles give rise to identical amplification patterns with the HLA-A*68 subtyping kit. These alleles can be distinguished by e.g. the HLA-A low resolution kit and/or the HLA-A*03 subtyping kit.

RESOLUTION IN HLA-A*68 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*68 SUBTYPINGS BY NON-HLA-A*68 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

The 3'-primers in mixes 29 and 30 were modified for increased yield of specific PCR product.