

101.418-12/04 – including Taq polymerase
101.418-12u/04u – without Taq polymerase

Lot No.: 4E1

Olerup SSP® HLA-A*68

Product number: 101.418-12/04 – including Taq pol.
 101.418-12u/04u – without Taq pol.

Lot number: 4E1

Expiry date: 2019-05-01

Number of tests: 12 tests – Product No. 101.418-12/12u
 4 tests – Product No. 101.418-04/04u

Number of wells per test: 47+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*68 LOT (97Y):

Well	5'-primer	3'-primer	rationale
9	Removed	-	5'-primer removed exchange of positive control primer pair for improved HLA-specific amplification and decreased tendency of primer oligomer formation.
10	-	Added	3'-primer added for the A*68:148Q allele.
17	Modified	-	5-primer modified for decreased tendency of primer oligomer formation.
24	-	Added	3'-primers added for the A*68:112:01-68:112:02 alleles.
41	Added	Added	Primer pair added for the A*68:144 allele.
46	Added	-	5'-primer added for the A*68:142N allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*68:01 to A*68:148Q, 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, 2016-July-14, release 3.25.0.

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 following HLA-A*68 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
A:68:52, 68:142N	46
A*68:68, 68:106	39
A*68:99, 68:101	42

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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 68:01:14, 68:01:18-68:01:20, 68:01:28 and 68:01:32, the A*68:01:02:01-68:01:02:03, 68:01:06, 68:01:13, 68:01:15-68:01:16, 68:01:21-68:01:27 and 68:01:30-68:01:31, the 68:01:17 and 68:103:02, the A*68:02:01:01-68:02:10 and 68:02:12, the A*68:03:01-68:03:02, the A*68:27:01-68:27:02, the A*68:43:01-68:43:02 or the A*68:112:01-68:112:02 alleles.

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>.

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:

No suggestions received.