

101.418-12/04 – including Taq polymerase

101.418-12u/04u – without Taq polymerase

Lot No.: 97Y

Olerup SSP® HLA-A*68

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

Lot number: 97Y

Expiry date: 2018-May-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 (30X):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the A*68:01:29 allele.
9	-	Removed	3'-primer removed for improved HLA-specific amplification of the A*68:18N allele.
11	Added	-	5'-primer added for the A*68:120N allele.
12	Added	-	5'-primer added for the A*68:120N allele.
13	-	Added	3'-primer added for the A*68:113 allele.
23	-	Modified	3'-primer modified for improved HLA-specific amplification.
27	Added	-	5'-primers added for the A*68:43:02 and A*68:18N alleles.
34	Added	-	5'-primer added for the A*68:18N allele.
35	Added	Added	Primer pair added for the A*68:93 allele.
37	-	Added	3'-primer added for the A*68:123 allele.
39	Added	-	5'-primer added from well 40.
40	Moved, added	Added	5'-primer moved to well 39, primer pair added for the A*68:104:02 allele.
42	Added	-	5'-primer added for the A*68:101 allele.
44	-	Added	3'-primer added for the A*68:130 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*68:01 to A*68:134, 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, 2015-August-11, release 3.21.1. The A*68 and the A*69 alleles are also separated in this kit.

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.

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

Alleles	Primer mix
A*68:68, 68:106	39
A*68:99, 68:101	42

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*68:01:02:01-68:01:02:02, 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 A*68:02:01:01-68:02:10, the A*68:03:01-68:03:02, the A*68:27:01-68:27:02 alleles or the A*68:43:01-68:43:02 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:

In primer mix 23, the 3'-primer was modified for improved HLA-specific amplification.