

HLA-A*01

101.411-24/06 – including *Taq* polymerase

101.411-24/06u – without *Taq* polymerase

Lot No.: **6H3**

Olerup SSP® HLA-A*01

Product number: 101.411-24/06 – including *Taq* pol.
101.411-24u/06u – without *Taq* pol.

Lot number: 6H3

Expiry date: 2021-11-01

Number of tests: 24 tests – Product No. 101.411-24/24u
6 tests – Product No. 101.411-06/06u

Number of wells per test: 61+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*01 LOT (6F2):

Well	5'-primer	3'-primer	rationale
1	-	Exchanged, removed	3'-primer exchanged and redundant 3'-primer removed for improved HLA-specific amplification.
19	Added	-	5'-primer added for the A*01:269N allele.
30	Exchanged, moved	Exchanged, moved	Primer pair exchanged for the A*01:37 allele and moved to primer mix 60.
34	Added	-	5'-primer added for the A*01:269N allele.
37	Added	-	5'-primer added for the A*01:247N allele.
50	-	Added	3'-primer added for the A*01:250N allele.
53	Added	-	5'-primer added for the A*01:247N allele.
55	-	Added	3'-primer added for the A*01:258N allele.
57	-	Added	3'-primer added for the A*01:258N allele.
59	-	Added	3'-primer added for the A*01:250N allele.
60	Exchanged	Exchanged	Primer pair added from primer mix 30. Negative control was moved to well 62.
61	New	New	New primer pair for the A*01:248Q allele.
62	-	-	Negative control moved from well 60.

THE NUMBER OF WELLS is increased from 60 to 62 wells.

ALLELE COVERAGE:

A*01:01 to A*01:281, i.e. all the currently recognized HLA-A*01 alleles, will be amplified by the primers in the HLA-A*01 SSP kit; www.ebi.ac.uk/imgt/hla, 2018-October-18, release 3.34.0.

The HLA-A*01 kit enables separation of the confirmed HLA-A*01 alleles as listed in the IMGT/HLA database 3.24.0. 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*01 kit also enables identification of null and alternatively expressed alleles.

HLA-A*01

101.411-24/06 – including *Taq* polymerase

101.411-24/06u – without *Taq* polymerase

Lot No.: 6H3

The following HLA-A*01 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*01:31N, 01:173	25	A*01:53N-01:54	36
A*01:32, 01:104	26	A*01:65, 01:92	37
A*01:47, 01:49	35	A*01:87N, 01:141	27, 42
A*01:48, 01:123N	36	A*01:137, 01:150	10, 35
A*01:50, 01:62	38		

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*01 HOMO- AND HETEROZYGOTES:

The A*01:01,01:01, A*01:01,01:02 and A*01:02,01:02 genotypes give rise to unique amplification patterns with regard to other confirmed HLA-A*01 alleles.

INFLUENCE ON THE INTERPRETATION OF HLA-A*01 SUBTYPINGS BY NON-HLA-A*01 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 1, a 3'-primer was exchanged and a redundant 3'-primer was removed for improved HLA-specific amplification.