

HLA-A*01
 101.411-24/06 – including *Taq* polymerase
 101.411-24/06u – without *Taq* polymerase
 Lot No.: **0E8**

Olerup SSP® HLA-A*01

Product number: 101.411-24/06 – including *Taq* pol.
 101.411-24u/06u – without *Taq* pol.
Lot number: 0E8
Expiry date: 2018-12-01
Number of tests: 24 tests – Product No. 101.411-24
 6 tests – Product No. 101.411-06
Number of wells per test: 54+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*01 LOT (83Y):

Well	5'-primer	3'-primer	rationale
5	Exchanged	Exchanged	Primer pair exchanged for improved HLA-specific amplification of the A*01:04N allele, strength of control primers has been optimized for improved HLA-specific amplification.
9	Moved	Moved	Primer pair moved to well 54 for decreased tendency of primer oligomer formation.
54	Added, Moved	Added, Moved	Primer pair added from well 9, negative control moved to well 55.
55	-	-	Negative control added from well 54.

THE NUMBER OF WELLS is increased from 54 to 55 wells.

ALLELE COVERAGE:

A*01:01 to A*01:189, 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, 2015-August-11, release 3.21.1.

The HLA-A*01 kit enables separation of the confirmed HLA-A*01 alleles as listed in the IMGT/HLA database¹. 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 polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

The HLA-A*01 subtyping kit cannot distinguish the silent mutations in the A*01:01:01:01, 01:01:02-01:01:22, 01:01:24-01:01:37, 01:01:39-01:01:47, 01:01:49-01:01:72 and 01:67:01-01:67:02 alleles, the 01:83:01-01:83:02 alleles or the 01:69:01-01:69:01 alleles.

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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 5, the primer pair was exchanged and the strength of control primers was optimized for improved HLA-specific amplification of the A*01:04N allele.