

**HLA-A\*01**  
**101.411-24/06 – including Taq polymerase**  
**101.411-24/06u – without Taq polymerase**  
**Lot No.: 6F2**

## **Olerup SSP<sup>®</sup> HLA-A\*01**

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

**Lot number:** 6F2

**Expiry date:** 2020-10-01

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

**Number of wells per test:** 59+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-A\*01 LOT (1E6):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
6	Added	-	5'-primer added for the A*01:09:02 allele.
39	-	Exchanged	3'-primer exchanged for improved HLA-specific amplification.
56	Added	Added	Negative control moved to well 60. Primer pair added for improved resolution of the A*01:25 allele.
57	New	New	New primer pair for the A*01:208Q allele.
58	New	New	New primer pair for the A*01:228Q allele.
59	New	New	New primer pair for the A*01:240N allele.
60	-	-	Negative control added from well 56.

**THE NUMBER OF WELLS** is increased from 56 to 60 wells.

### **ALLELE COVERAGE:**

A\*01:01 to A\*01:241, 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](http://www.ebi.ac.uk/imgt/hla), 2017-October-27, release 3.30.0.

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.

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.

**HLA-A\*01**

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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		

<sup>1</sup>Alleles 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:**

No comments received.