

Lot No.: **67K**

Olerup SSP® HLA-A*01

Product number: 101.411-24/06– including *Taq* pol.
101.411-24u/06u – without *Taq* pol.
Lot number: 67K
Expiry date: 2013-May-01
Number of tests: 24 test – Product No. 101.411-24
6 tests – Product No. 101.411-06
Number of wells per test: 48

CHANGES COMPARED TO THE PREVIOUS HLA-A*01 LOT (21G):

Well	5'-primer	3'-primer	rationale
6	Added	-	Primer added for the A*01:60 allele.
14	-	Added	Primer added for the A*01:59 allele.
21	Added	-	Primer added for the A*01:44 allele.
25	-	Added	Primers added for the A*01:51 and A*01:59 alleles.
31	New	New	New primer pairs for the A*01:38 and A*01:63 alleles.
32	New	New	New primer pairs for the A*01:43 and A*01:57 alleles.
33	New	New	New primer pair for the A*01:61 allele.
34	New	New	New primer pairs for the A*01:58 and A*01:60 alleles.
35	New	New	New primer pairs for the A*01:47 and A*01:49 alleles.
36	New	New	New primer pairs for the A*01:53 and A*01:54 alleles.
37	New	New	New primer pair for the A*01:65 allele.
38	New	New	New primer pairs for the A*01:50 and A*01:62 alleles.
39	New	New	New primer pair for the A*01:39 allele.
40	New	New	New primer pair for the A*01:36 allele.
41	New	New	New primer pair for the A*01:48 allele.
42	New	New	New primer pair for the A*01:64 allele.
43	New	New	New primer pair for the A*01:56 allele.
44	New	New	New primer pair for the A*01:46 allele.
45	New	New	New primer pair for the A*01:52 allele.
46	New	New	New primer pair for the A*01:40 allele.
47	New	New	New primer pairs for the A*01:41 and A*01:42 alleles.
48	New	New	New primer pair for the A*01:55 allele.

THE NUMBER OF WELLS has been increased from 31 to 48 wells.

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ALLELE COVERAGE:

A*01:01 to A*01:66, i.e. all the currently recognized HLA-A*01 alleles, give rise to unique amplification patterns¹; www.ebi.ac.uk/imgt/hla, 2010-October-15, release 3.2.0.

The A*01:45 allele cannot be separated from the A*01:01:01:01, 01:01:02-01:01:19 alleles with HLA-A*01/67K. The HLA-A*01:45 allele specific polymorphism is located at position 704 in exon 4.

The A*01:47 and 01:49 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

The A*01:50 and 01:62 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

The A*01:53N and 01:54 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

¹The A*01:45 allele cannot be separated from the A*01:01:01:01, 01:01:02-01:01:19 alleles with HLA-A*01/67K.

RESOLUTION IN HLA-A*01 HOMO- AND HETEROZYGOTES:

The A*01:45 allele cannot be separated from the A*01:01:01:01, 01:01:02-01:01:19 alleles.

The A*01:01,01:01, A*01:01,01:02 and A*01:02,01:02 genotypes give rise to unique amplification patterns.

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.