

101.422-24/03 – including *Taq* polymerase  
 101.422-24u/03u – without *Taq* polymerase

Lot No.: **11V**

## Olerup SSP® HLA-A\*24

**Product number:** 101.422-24/03 – including *Taq* pol.  
 101.422-24u/03u – without *Taq* pol.

**Lot number:** 11V

**Expiry date:** 2016-August-01

**Number of tests:** 24 tests – Product No. 101.422-24/24u  
 3 tests – Product No. 101.422-03/03u

**Number of wells per test:** 95+1

### CHANGES COMPARED TO THE PREVIOUS HLA-A\*24 LOT (46R):

Well	5'-primer	3'-primer	Rationale
10	-	-	Exchanged positive control primer pair.
13	-	Added	3'-primer added for the A*24:02:70 allele.
14	-	Added	3'-primer added for the A*24:251 allele.
36	Added	-	5'-primers added for the A*24:192 and A*24:232N alleles.
42	-	Added	3'-primer added for the A*24:169 allele.
49	-	Added	3'-primer added for the A*24:220 allele.
50	-	Added	3'-primer added for the A*24:252N and A*24:251 alleles.
54	-	Added	3'-primer added for the A*24:169 allele.
55	-	Added	3'-primer added for the A*24:205 allele.
56	Moved	Moved	Primer pair moved to well 95, to decreased tendencies of primer oligomer formation.
59	-	Added	3'-primer added for the A*24:215 allele.
60	-	Added	3'-primer added for the A*24:250 allele.
64	Moved	-	5'-primer moved to well 93, to decreased tendencies of primer oligomer formation.
67	-	Added	3'-primer added for the A*24:249 allele.
68	-	Added	3'-primer added for the A*24:196 allele.
69	-	Added	3'-primer added for the A*24:240N allele.
71	-	Added	3'-primer added for the A*24:199 allele.
74	-	Added	3'-primer added for the A*24:197 allele.
75	-	Added	3'-primers added for the A*24:196 and 24:215 alleles.
76	-	Added	3'-primer added for the A*24:220 allele.
83	-	Added	3'-primer added for the A*24:240N allele.
86	Added	-	5'-primer added for the A*24:222N allele.
87	-	Added	3'-primer added for the A*24:197 allele.
89	Added	-	5'-primer added for the A*24:192 allele.
90	-	Added	3'-primers added for the A*24:206 and 24:234 alleles.
91	Exchanged	Exchanged, Added	Primer pair exchanged for improved specificity, 3'-primer added for the A*24:135:02 allele.
93	Added	-	5'-primer added from well 64, 5'-primer added for the A*02:74:02 allele.

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94	New	New	New primer pair for the A*24:206 allele.
95	Added	Added	Primer pair added from well 56, 3'-primer added for the A*24:231 and A*24:250 allele.
96	New	New	Negative Control.

**THE NUMBER OF WELLS** is increased from 93 to 96.

**ALLELE COVERAGE:**

A\*24:02 to A\*24:252N, i.e. all the currently recognized HLA-A\*24 alleles, will be amplified by the primers in the HLA-A\*24 subtyping kit<sup>1,2,3</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-October-11, release 3.14.0.

The HLA-A\*24 kit enables separation of the confirmed HLA-A\*24 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\*24 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\*24 subtyping kit cannot distinguish the silent mutations in the A\*24:02:01:01, 24:02:01:03-24:02:04, 24:02:06-24:02:09, 24:02:11-24:02:12, 24:02:14-24:02:64 and 24:02:66-24:02:71 alleles, the A\*24:02:10 and 24:02:65 alleles, the A\*24:03:01-24:03:02 alleles, the A\*24:10:01-24:10:02 alleles, the A\*24:21:01-24:21:02 alleles, the A\*24:74:01-24:74:02 alleles or the A\*24:135:01-24:135:02 alleles.

The following HLA-A\*24 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*24:37, 24:119	31	A*24:84N, 24:218	73
A*24:47, 24:232N	36	A*24:101, 24:111	83
A*24:49, 24:126	38	A*24:102, 24:103	84
A*24:60, 24:205	55	A*24:104, 24:117	85
A*24:79, 24:249	67	A*24:105, 24:121	86
A*24:81, 24:134	70	A*24:106, 24:136	87
A*24:82, 24:128	71	A*24:115, 24:234	90

<sup>1</sup>HLA-A alleles listed on the IMGT/HLA web page 2013-October-11, release 3.14.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</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>.

<sup>3</sup>The A\*24 primer set cannot separate the A\*24:164 and A\*33:19 alleles. These two alleles can be distinguished by the HLA-A low resolution and/or HLA-A\*33 kits.

**RESOLUTION IN HLA-A\*24 HOMO- AND HETEROZYGOTES:**

Good.

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**INFLUENCE ON THE INTERPRETATION OF HLA-A\*24 SUBTYPINGS BY NON-HLA-A\*24 ALLELES:**

The interpretation of HLA-A\*24 subtypings is primarily influenced by the A\*23 alleles.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No comments received.