

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

Lot No.: **83X**

## **Olerup SSP® HLA-A\*24**

**Product number:** 101.422-24/03 – including *Taq* pol.  
 101.422-24u/03u – without *Taq* pol.  
**Lot number:** 83X  
**Expiry date:** 2017-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 (11V):**

Well	5'-primer	3'-primer	Rationale
21	Exchanged	-	5'-primer exchanged for improved specificity.
22	Added	Added	Primer pair added for improved allelic resolution of the A*24:33 allele.
23	Exchanged	-	5'-primer exchanged for improved specificity.
49	-	Removed	3'-primer removed for improved specificity.
62	Added	-	5'-primer added for improved allelic resolution of the A*24:91 allele.
66	Exchanged	-	5'-primer exchanged for improved specificity.
96	-	-	Updated negative control.

**THE NUMBER OF WELLS** is unchanged.

**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</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.

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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*24:60N, 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>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>2</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.

**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:**

In primer mixes 21, 23 and 66, the 5'-primer was exchanged for improved specificity. In primer mix 62 one 5'-primer was added for improved allelic resolution of the A\*24:91 allele.