

**101.422-24/03 – including *Taq* polymerase**

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

**Lot No.: 3F1**

## **Olerup SSP® HLA-A\*24**

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

**Lot number:** 3F1

**Expiry date:** 2021-07-01

**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 (1E3):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>Rationale</b>
1	Exchanged	Modified	5'-primer exchanged and 3'-primer modified for increased yield.
4	-	Added	3'-primer added for the A*24:207:02 allele.
14	-	Modified	3'-primer modified for improved HLA-specific amplification.
17	-	Added	3'-primer added for the A*24:377 allele.
29	-	Added	3'-primer added for the A*24:359N allele.
35	Added	-	5'-primer added for the A*24:142:02 allele.
45	-	Added	3'-primer added for the A*24:370N allele.
54	-	Added	3'-primer added for the A*24:359N allele.
55	-	Added	3'-primer added for the A*24:302 allele.
61	Modified	-	5'-primer modified for decreased tendency of primer oligomer formation.
68	Added	Added	Primer pair added for the A*24:353 allele.
69	-	Added	3'-primer added for the A*24:370N allele.
70	Added	-	5'-primer added for the A*24:356 allele.
71	Added	-	5'-primer added for the A*24:280 allele.
72	Added	-	5'-primer added for the A*24:354 allele.
75	-	Added	3'-primer added for the A*24:345 allele.
77	-	Added	3'-primer added for the A*24:331 allele.
80	Added	-	5'-primer added for the A*24:142:02 allele.
81	-	Added	3'-primer added for the A*24:377 allele.
82	-	Added	3'-primer added for the A*24:302 allele.
84	-	Added	3'-primer added for the A*24:331 allele.
86	Added	-	5'-primer added for the A*24:356 allele.
88	Added	-	5'-primer added for the A*24:352 allele.
90	Modified	Added	5'-primer modified for decreased tendency of primer oligomer formation, 3'-primer added for the A*24:322 allele.
91	-	Added	3'-primer added for the A*24:357N allele.
92	Added	-	5'-primer added for the A*24:354 allele.
93	Added	-	5'-primer added for the A*24:280 allele.
94	Modified	Added	5'-primer modified for decreased tendency of primer oligomer formation, 3'-primers added for the A*24:322 and A*24:345 alleles.
95	Added	Added	Primer pair added for the A*24:324 allele.

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THE NUMBER OF WELLS is unchanged.

#### ALLELE COVERAGE:

A\*24:02 to A\*24:377, 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), 2017-January-20, release 3.27.0.

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 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*24:29, 24:271	29	A*24:84N, 24:218	73
A*24:37, 24:119	31	A*24:101, 24:111	83
A*24:47, 24:232N	36	A*24:102, 24:103	84
A*24:49, 24:126	38	A*24:104, 24:117	85
A*24:60N, 24:205	55	A*24:105, 24:121	86
A*24:72, 24:297	62	A*24:106, 24:136	87
A*24:76, 24:98	76	A*24:115, 24:234	90
A*24:79, 24:249	67	A*24:116, 24:352	88
A*24:80, 24:184	69	A*24:135:01-24:135:02, 24:238	91
A*24:81, 24:134	70	A*24:206, 24:322	90, 94
A*24:82, 24:128	71	A*24:225:01-24:225:02, 24:240N	69, 83

<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 24:173 from the A\*33:19 alleles. These 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 mix 1, the 5'-primer was exchanged and a 3'-primer was modified for increased amplification.

Change in revision R01 compared to R00:

1. The expiration date has been altered due to extension of shelf-life.