

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

Lot No.: **1E3**

Olerup SSP® HLA-A*24

Product number: 101.422-24/03 – including *Taq* pol.
 101.422-24u/03u – without *Taq* pol.
Lot number: 1E3
Expiry date: 2019-01-01
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 (83X):

Well	5'-primer	3'-primer	Rationale
14	-	Added	3'-primer added for increased yield of the A*24:09N allele.
33	Added	Added	Primer pair added for the A*24:02:03Q allele.
40	Added	Added	Primer pair added for the A*24:02:03Q allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*24:02 to A*24:334, i.e. all the currently recognized HLA-A*24 alleles, will be amplified by the primers in the HLA-A*24 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2016-January-19, release 3.23.0.

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, 24:02:66-24:02:88, 24:02:90-24:02:96 and 24:226:01-24:226:02 alleles, the A*24:02:05 and 24:02:89 alleles, the A*24:02:10 and 24:02:65 alleles, the A*24:03:01-24:03:03 alleles, the A*24:07:01-24:07:02 alleles, the 24:10:01-24:10:02 alleles, the A*24:21:01-24:21:03 alleles, the A*24:74:01-24:74:02, the A*24:90:01N-24:90:02N alleles, the A*24:135:01-24:135:02, the A*24:225:01-24:225:02 alleles or the A*24:310:01-24:310:02 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*24:29, 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*24:79, 24:249	67	A*24:115, 24:234	90
A*24:81, 24:134	70	A*24:135:01-24:135:02, 24:238	91
A*24:82, 24:128	71	A*24:225:01-24:225:02, 24:240N	69, 83

¹Alleles 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>.

²The 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:

No comments received.