

Olerup SSP[®] HLA-A*24

Product number:	101.422-24/03 – including <i>Taq</i> pol. 101.422-24u/03u – without <i>Taq</i> pol.
Lot number:	5H7
Expiry date:	2023-09-01
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 (3F1):

Well	5'-primer	3'-primer	Rationale
46	Removed	-	Redundant 5'-primer removed.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*24:02 to A*24:448N, 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, 2019-April-17, release 3.36.0.

The HLA-A*24 kit enables separation of the confirmed HLA-A*24 alleles as listed in the IMGT/HLA database 3.27.0. 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 many 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*24:02:106-24:02:107, 24:47, 24:232N	36	A*24:84N, 24:218	73
A*24:29, 24:271	29	A*24:101, 24:111	83
A*24:37, 24:119	31	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, 24:330	87
A*24:76, 24:98	76	A*24:115, 24:234	90
A*24:78, 24:353	68	A*24:116, 24:352	88
A*24:79, 24:249	67	A*24:135:01-24:135:02, 24:238	91
A*24:80, 24:184	69	A*24:206, 24:322	90, 94
A*24:81, 24:134	70	A*24:225:01-24:225:02, 24:240N	69, 83
A*24:82, 24:128	71	A*24:231, 24:410	95

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>.

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

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²The A*24 primer set cannot separate the A*24:164, 24:373, 24:399, 24:405 and 24:446 from the A*02:804 and the A*33:19 alleles. These alleles can be distinguished by the HLA-A low resolution and/or HLA-A*02 and 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.