

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

Lot No.: **46R**

Olerup SSP[®] HLA-A*24

Product number: 101.422-24/03 – including *Taq* pol.
 101.422-24u/03u – without *Taq* pol.
Lot number: 46R
Expiry date: 2015-July-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: 93

CHANGES COMPARED TO THE PREVIOUS HLA-A*24 LOT (78M):

Well	5'-primer	3'-primer	Rationale
13	Added	-	5'-primer added for the A*24:02:42 allele.
24	-	Added	3'-primer added for the A*02:145 allele.
28	Added	Added	Primer pair added for the A*24:155N allele.
29	Added	Added	Primer pair added for the A*24:155N allele.
35	Added	-	Exchanged positive control primer pair, 5'-primer added for the A*24:142 allele.
39	Added	-	5'-primer added for the A*24:185N allele.
42	Added	Added	Primer pair added for the A*24:160 allele.
43	-	Added	3'-primer added for the A*24:159 allele.
46	Modified	-	Improved yield of HLA-specific PCR product.
49	-	Added	3'-primer added for the A*24:159 allele.
50	Added	-	Exchanged positive control primer pair, 5'-primer added for the A*24:163N allele.
53	-	Added	3'-primer added for the A*24:158N allele.
55	-	Added	3'-primer added for the A*24:173 allele.
56	Added	Added	Primer pair added for the A*24:163N allele.
60	Added	Added	Primer pair added for the A*24:183N allele.
66	Exchanged	-	Decreased tendencies of primer oligomer formation.
71	Added	Added	Primer pair added for the A*24:183N allele.
74	-	Added	3'-primer added for the A*24:180 allele.
75	-	Added	3'-primer added for the A*24:180 allele.
79	Added	-	5'-primer added for the A*24:182 allele.
80	Added	-	5'-primer added for the A*24:142 allele.
83	-	Added	3'-primer added for the A*24:173 allele.
86	Added	-	5'-primer added for the A*24:182 allele.
88	Added	-	5'-primer added for the A*24:185N allele.
90	-	Added	3'-primer added for the A*24:168 allele.

THE NUMBER OF WELLS is unchanged.

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ALLELE COVERAGE:

A*24:02 to A*24:209, i.e. all the currently recognized HLA-A*24 alleles, will be amplified by the primers in the HLA-A*24 subtyping kit¹⁻²; www.ebi.ac.uk/imgt/hla, 2012-July-12, release 3.9.0.

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 and 24:02:14-24:02:59 alleles, the A*24:03:01-24:03:02 alleles or the A* 24:21:01-24:21:02 alleles.

¹This lot of the HLA-A*24 subtyping kit cannot distinguish the A*24:169 allele and 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 and 24:02:14-24:02:59 and the A*24:146-24:154, 24:161-24:162, 24:165-24:166, 24:170-24:172, 24:174-24:176, 24:178-24:179, 24:181, 24:186-24:187, 24:189, 24:192-24:193, 24:195-24:198, 24:200-24:203, 24:205-24:206 and 24:209 alleles.

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.

³The A*24:37 and 24:119 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 31.

The A*24:49 and 24:126 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

The A*24:81 and 24:134 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 70.

The A*24:82 and 24:128 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 71.

The A*24:101 and 24:111 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 83.

The A*24:102 and 24:103 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 84.

The A*24:104 and 24:117 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 85.

The A*24:105 and 24:121 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 86.

The A*24:106 and 24:136 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 87.

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.