•LERUP SSP*

HLA-A*24 Release Note Page 1 of 2

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: 2020-01-01

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 (1E3):

Texchanged Modified S-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 added for improved HLA-specific amplification. 17 - Added 3'-primer added for the A*24:377 allele. 29 - Added 3'-primer added for the A*24:377 allele. 35 Added - 5'-primer added for the A*24:359N 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*24:359N allele. 61 Modified - 5'-primer added for the A*24:350N allele. 62 Added Added Primer pair added for the A*24:353 allele. 63 Added - 5'-primer added for the A*24:353 allele. 64 Added - 5'-primer added for the A*24:354 allele. 75 - Added - 5'-primer added for the A*24:354 allele. 76 Added - 5'-primer added for the A*24:354 allele. 77 - Added 3'-primer added for the A*24:354 allele. 80 Added - 5'-primer added for the A*24:354 allele. 80 Added - 5'-primer added for the A*24:354 allele. 81 - Added 3'-primer added for the A*24:354 allele. 82 - Added 3'-primer added for the A*24:354 allele. 83 - Added - 5'-primer added for the A*24:355 allele. 84 - Added 3'-primer added for the A*24:355 allele. 85 - Added - 5'-primer added for the A*24:355 allele. 86 Added - 5'-primer added for the A*24:355 allele. 87 - Added 3'-primer added for the A*24:355 allele. 88 Added - 5'-primer added for the A*24:355 allele. 89 Modified Added - 5'-primer added for the A*24:355 allele. 90 Modified Added - 5'-primer added for the A*24:355 allele. 91 - Added - 5'-primer added for the A*24:357N allele. 92 Added - 5'-primer added for the A*24:358 allele. 93 Added - 5'-primer added for the A*24:358 allele. 94 Modified Added - 5'-primer added for the A*24:359 allele. 95 Padded Added Added Added Primer pair added for the A*24:354 allele. 96 Primer pair added for the A*24:355 allele. 97 Primer added for the A*24:355 allele. 98 Primer added for the A*24:355 allele. 99 Primer added for the A*24:355 allele. 90				Pationale
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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*24:345 alleles.	77	-	Added	3'-primer added for the A*24:331 allele.
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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*24:345 alleles.	81	-	Added	3'-primer added for the A*24:377 allele.
86 Added - 5'-primer added for the A*24:356 allele. 87 Added - 5'-primer added for the A*24:352 allele. 88 Added - 5'-primer modified for decreased tendency of primer oligomer formation, 3'-primer added for the A*24:322 allele. 89 Added - Added 3'-primer added for the A*24:357N allele. 80 Added - 5'-primer added for the A*24:354 allele. 81 Added - 5'-primer added for the A*24:354 allele. 82 Added - 5'-primer added for the A*24:354 allele. 83 Added - 5'-primer modified for decreased tendency of primer oligomer formation, 3'-primers added for the A*24:345 alleles.	82	-	Added	3'-primer added for the A*24:302 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*24:345 alleles.	84	-	Added	3'-primer added for the A*24:331 allele.
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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*24:345 alleles.	90	Modified	Added	primer oligomer formation, 3'-primer added
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*24:345 alleles.	91	-	Added	3'-primer added for the A*24:357N 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.			-	
primer oligomer formation, 3'-primers added for the A*24:322 and A*24:345 alleles.	93	Added	-	5'-primer added for the A*24:280 allele.
95 Added Primer pair added for the A*24:324 allele.				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.



•LERUP SSP*

Release Note

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

Lot No.: **3F1**

HLA-A*24

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^{1,2}; 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

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.

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.



²The 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.