

101.412-24/04 – including *Taq* polymerase
 101.412-24u/04u – without *Taq* polymerase

Lot No.: **10X**

Olerup SSP® HLA-A*02

Product number: 101.412-24/04 – including *Taq* pol.
 101.412-24u/04u – without *Taq* pol.
Lot number: 10X
Expiry date: 2016-July-01
Number of tests: 24 tests – Product No. 101.412-24/24u
 4 tests – Product No. 101.412-04/04u
Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*02 LOT (15V):

Well	5'-primer	3'-primer	rationale
11	Added	-	5'-primer added for the A*02:506N allele.
20	-	Added	3'-primer added for the A*02:229 allele.
23	Added	-	5'-primer added for the A*02:360 allele.
25	-	Added	3'-primer added for the A*02:384 allele, 3'-primer added for increased yield.
37	-	Removed	3'-primer removed for improved specificity of HLA-specific primer pair.
39	-	Added	3'-primer added for the A*02:390 allele.
40	-	Added	3'-primers added for the A*02:500Q and A*02:404 alleles.
45	-	Added	3'-primers added for the A*02:391 and A*02:501N alleles.
54	-	Added	3'-primer added for improved allelic resolution of the A*02:174 and A*02:228 alleles.
55	-	Added	3'-primers added for the A*02:343 and A*02:313 alleles.
63	Added	-	5'-primer added for the A*02:490N allele.
64	Added	-	5'-primer added the A*02:392 allele.
65	-	Added	3'-primer added for the A*02:391 allele.
73	Added	-	5'-primer added the A*02:380 allele.
76	Added	-	5'-primers added for the A*02:392 and A*02:68 alleles.
79	-	Added	3'-primer added for the A*02:476N allele.
82	-	Added	3'-primer added for the A*02:481 allele.
83	-	Added	3'-primers added for the A*02:429 and A*02:313 alleles.
84	Added	-	5'-primer added for the A*02:348 allele.
85	-	Added	3'-primer added for the A*02:481 allele.
87	Added	-	5'-primer added for the A*02:380 allele.
89	-	Added	3'-primer added for the A*02:468N allele.
93	Added	-	5'-primer added for the A*02:348 allele.
94	Added	-	5'-primer added for the A*02:360 allele.

THE NUMBER OF WELLS is unchanged.

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ALLELE COVERAGE:

All HLA-A*02 alleles recognized in July 2012, i.e. A*02:01 to A*02:506N, will be amplified by the primers in the HLA-A*02 subtyping kit; www.ebi.ac.uk/imgt/hla, 2014-April-14, release 3.16.0.

The HLA-A*02 kit enables separation of the confirmed HLA-A*02 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*02 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*02 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*02:01:83, 02:343, 02:399	55	A*02:138, 02:284N	87
A*02:28, 02:409	27	A*02:139, 02:235	88
A*02:60:01-02:60:02, 02:254, 02:501N	45	A*02:141, 02:275	90
A*02:97:01-02:97:02, 02:305N	59	A*02:145, 02:221	64
A*02:107, 02:202, 02:251	65	A*02:150, 02:197, 02:325	94
A*02:111, 02:350N	67	A*02:159, 02:293Q, 02:364, 02:390	39
A*02:116, 02:196	71	A*02:180, 02:358	29
A*02:119, 02:263	73	A*02:193, 02:213	78
A*02:120, 02:223N	74	A*02:233, 02:459	24
A*02:132, 02:215, 02:237, 02:467	83	A*02:269, 02:367	70
A*02:134, 02:314N	85	A*02:419, 02:476N	79

The HLA-A*02 subtyping kit cannot distinguish the silent mutations in the A*02:01:01:01, 02:01:01:03-02:01:02, 02:01:04-02:01:15, 02:01:18-02:01:19, 02:01:21-02:01:51, 02:01:53-02:01:62, 02:01:64-02:01:73, 02:01:75-02:01:81, 02:01:84-02:01:86, 02:01:89-02:01:90, 02:01:92-02:01:100 and 02:01:102-02:01:104 alleles, the A*02:01:03, 02:01:101 alleles, the A*02:01:17, 02:01:52, 02:01:63 and 02:01:74 alleles, the A*02:01:87 and 02:01:91 alleles, the A*02:03:01 and 02:03:03-02:03:07 alleles, the A*02:05:01-02:05:06 alleles, the A*02:06:01-02:06:11 and 02:06:13-02:06:16 alleles, the A*02:07:01-02:07:06 alleles, the A*02:11:01, 02:11:03-02:11:06 alleles, the A*02:17:01-02:17:03 alleles, the 02:20:01-02:20:02 alleles, the A*02:22:01-02:22:02 alleles, the A*02:24:01-02:24:02 alleles, the A*02:40:01-02:40:02 alleles, the A*02:60:01-02:60:02 alleles, the A*02:74:01-02:74:02 alleles, the A*02:76:01-02:76:02 alleles, the A*02:79:01-02:79:02 alleles, the A*02:97:01-02:97:02 alleles, the A*02:101:01-02:101:02 alleles, the A*02:153:01-02:153:02 alleles, the A*02:171:01-02:171:02 alleles and the and A*02:243:01-02:243:02 alleles.

¹HLA-A alleles listed on the IMGT/HLA web page 2014-April-14, release 3.16.0, www.ebi.ac.uk/imgt/hla.

²Alleles 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>.

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RESOLUTION IN HLA-A*02 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*02 SUBTYPINGS BY NON-HLA-A*02 ALLELES:

A*02:01,68:xx = A*02:95,68:xx.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.