

101.615-24/04 – including *Taq* polymerase
 101.615-24u/04u – without *Taq* polymerase

Lot No.: 7E6

Olerup SSP[®] HLA-C*07

Product number: 101.615-24/04 – including *Taq* pol.
 101.615-24u/04u – without *Taq* pol.

Lot number: 7E6

Expiry date: 2019-09-01

Number of tests: 24 tests – Product No. 101.615-24/24u
 4 tests – Product No. 101.615-04/04u

Number of wells per test: 93+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*07 LOT (4D7):

Well	5'-primer	3'-primer	rationale
18	-	Added	3'-primer added for the C*07:486 allele.
27	Added	-	5'-primer added for the C*07:322 allele.
28	Added	-	5'-primer added for the C*07:396 allele.
30	Modified	-	5'-primer modified for improved HLA-specific amplification of the C*07:75 and C*07:254 alleles.
31	-	Added, removed	3'-primer added for the C*07:276 allele, 3'-primer removed for improved HLA-specific amplification.
34	-	Modified	3'-primer modified for improved HLA-specific amplification.
38	Exchanged	-	5'-primer exchanged for decreased tendency of primer oligomer formation.
42	Added	-	5'-primer added for the C*07:352 allele.
43	-	Added	3'-primer added for the C*07:445 allele.
44	Added	-	5'-primer added for the C*07:396 allele.
48	-	Added	3'-primer added for the C*07:276 allele.
49	Added	-	5'-primer added for the C*07:330:02 allele.
50	-	Added	3'-primer added for the C*07:310 allele.
51	-	Added	3'-primer added for the C*07:483N allele.
53	Added	-	5'-primer added for the C*07:330:02 allele.
54	-	Added	3'-primer added for the C*07:547 allele.
56	Added	-	5'-primer added for the C*07:524 allele.
57	Added	-	5'-primer added for the C*07:524 allele.
59	Added	-	5'-primer added for the C*07:485 allele.
60	Added	-	5'-primer added for the C*07:485 allele.
61	Removed	Removed, added	3'- and 5'-primers removed for improved HLA-specific amplification, 3'-primers added for the C*07:450 and C*07:762 alleles.
62	Added	-	5'-primer added for the C*07:322 allele.
63	Added	-	5'-primer added for the C*07:425 allele.
64	Added	-	5'-primer added for the C*07:326 allele.
65	-	Added	3'-primers added for the C*07:494Q and C*07:551N alleles.
66	-	Added	3'-primer added for the C*07:513Q allele.
67	-	Added	3'-primer added for the C*07:456 allele.
68	-	Added	3'-primer added for the C*07:456 allele.
69	-	Added	3'-primer added for the C*07:494Q allele.
70	-	Added	3'-primer added for the C*07:310 allele.
71	Added	-	5'-primer added for the C*07:425 allele.

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72	Added	-	5'-primer added for the C*07:484N allele.
73	-	Added	3'-primer added for the C*07:513Q allele.
75	Added	Added	Primer pairs added for the C*07:533 and C*07:544 alleles.
77	-	Added	3'-primer added for the C*07:547 allele.
80	-	Added	3'-primer added for the C*07:486 allele.
82	-	Added	3'-primer added for the C*07:483N allele.
83	-	Added	3'-primers added for the C*07:445 and C*07:476N alleles.
84	-	Added	3'-primers added for the C*07:439 and C*07:551N alleles.
85	Added	-	5'-primer added for the C*07:360 allele.
86	Added	-	5'-primer added for the C*07:226 allele.
87	-	Added	3'-primers added for the C*07:411 and C*07:507N alleles.
88	Added	Added	Primer pairs added for the C*07:491:01N, C*07:491:02N and C*07:507N alleles.
89	Added	-	5'-primer added for the C*07:326 allele.
92	-	Added	3'-primer added for the C*07:457 allele.
93	Added	Added	Primer pairs added for the C*07:491:01N and C*07:491:02N alleles.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*07:01 to C*07:563, i.e. all the currently recognized HLA-C*07 alleles, will be amplified by the primers in the HLA-C*07 SSP kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2016-October-14, release 3.26.0.

The HLA-C*07 kit enables separation of the confirmed HLA-C*07 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-C*07 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

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The following HLA-C*07 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*07:29:01-07:29:02, 07:347N	71	C*07:118, 07:203	52
C*07:41, 07:447	1	C*07:120, 07:462	61
C*07:51, 07:314:01-07:314:03	19	C*07:125, 07:402	54
C*07:52, 07:337	18	C*07:132, 07:179	55
C*07:61N, 07:194, 07:368:01-07:368:02	70	C*07:138, 07:484N	72
C*07:67, 07:503	34	C*07:147, 07:241	60
C*07:74, 07:308	39	C*07:149, 07:381	68
C*07:78:01-07:78:02, 07:235Q	40	C*07:164N, 07:212	58
C*07:88, 07:474	41	C*07:165, 07:180	60
C*07:99, 07:183	43	C*07:166, 07:419	77
C*07:100, 07:161	49	C*07:186, 07:451N	58
C*07:104N, 07:119	92	C*07:245, 07:342	45
C*07:117, 07:126	51	C*07:350N, 07:359	80

The HLA-C*07 subtyping kit cannot distinguish the following silent mutations: the C*07:01:01:01-07:01:01:07, 07:01:03-07:01:04, 07:01:06-07:01:12, 07:01:14-07:01:24, 07:01:26, 07:01:28-07:01:35, 07:01:37-07:01:51, 07:01:53-07:01:58, 07:204:01-07:204:02 and 07:454:01 alleles, the 07:01:02, 07:01:27 and 07:01:52 alleles, the C*07:01:05 and 07:01:36 alleles, the C*07:02:01:01-07:02:77 and 07:341:01-07:341:02 alleles, the C*07:04:01:01-07:04:11 alleles, the C*07:17:01-07:17:03 alleles, the 07:26:01-07:26:02 alleles, the C*07:27:01-07:27:02 alleles, the C*07:29:01-07:29:02 alleles, the C*07:31:01-07:31:02 alleles, the 07:38:01-07:38:02 alleles, the 07:43:01-07:43:02 alleles, the C*07:56:01-07:56:02, the C*07:78:01-07:78:02 alleles, the C*07:96:01-07:96:02 alleles, the C*07:108:01-07:108:02 alleles, the C*07:131:01-07:131:02 alleles, the C*07:137:01-07:137:02 alleles, the C*07:141:01-07:141:02 alleles, the C*07:172:01-07:172:02 alleles, the C*07:199:01-07:199:02 alleles, the 07:260:01-07:260:02 alleles, the C*07:314:01-07:314:02 alleles, the 07:368:01-07:368:02 or the 07:491:01N-07:491:02N alleles.

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 C*07:27:01-07:27:02 and 07:556 and the C*12:181 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-C low resolution kit.

INFLUENCE ON THE INTERPRETATION OF HLA-C*07 SUBTYPINGS BY NON-HLA-C*07 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.