

101.615-24/04 – including *Taq* polymerase

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

Lot No.: **4D7**

Olerup SSP® HLA-C*07

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

Lot number: 4D7

Expiry date: 2018-07-01

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 (41Y):

Well	5'-primer	3'-primer	rationale
3	Added	-	5'-primer added for the C*07:01:46 allele.
14	-	Added	3'-primer added for increased yield of the C*07:25 allele.
25	Added	-	5'-primer added for the C*07:311 allele.
38	Exchanged	Exchanged	Primer pair exchanged for decreased tendency of primer oligomer formation.
40	-	Added	3'-primer added for the C*07:78:02 allele.
51	-	Added	3'-primer added for the C*07:409 allele.
54	-	Added	3'-primer added for the C*07:446 allele.
64	-	Added	3'-primer added for the C*07:409 allele.
65	-	Added	3'-primer added for the C*07:371 allele.
69	Exchanged	-	5'-primer exchanged for allelic resolution of the C*07:412 allele.
73	-	Added	3'-primer added for the C*07:458 allele.
76	Added	-	5'-primer added for the C*07:437N allele.
77	-	Added	3'-primers added for the C*07:419 and C*07:446 alleles.
83	-	Added	3'-primer added for the C*07:429 allele.
84	-	Added	3'-primer added for the C*07:311 allele.
85	Added	Added	Primer pair added for the C*07:458 allele.
88	-	Added	3'-primer added for the C*07:452N allele.
89	Added	-	5'-primer added for the C*07:374 allele.
93	Added	Added	Updated negative control moved to well 94, primer pair added for the C*07:453 allele.
94	-	-	Updated negative control added from well 93.

THE NUMBER OF WELLS is increased from 93 to 94.

ALLELE COVERAGE:

C*07:01 to C*07:459, i.e. all the currently recognized HLA-C*07 alleles, will be amplified by the primers in the HLA-C*07 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2015-October-11, release 3.22.0.

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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.

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*07:125, 07:402	54
C*07:51, 07:314:01-07:314:02	19	C*07:132, 07:179	55
C*07:52, 07:337	18	C*07:133, 07:149, 07:381	68
C*07:61N, 07:194, 07:368	70	C*07:147, 07:241	60
C*07:74, 07:308	39	C*07:164N, 07:212	58
C*07:78:01-07:78:02, 07:235Q	40	C*07:165, 07:180	60
C*07:93, 07:207	42	C*07:166, 07:419	77
C*07:99, 07:183	43	C*07:186, 07:451N	58
C*07:100, 07:161	49	C*07:227N, 07:254	30
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*07:01:01-07:01:04, 07:01:06-07:01:12, 07:01:14-07:01:24, 07:01:26-07:01:35 and 07:01:37-07:01:51 alleles, the C*07:01:05 and 07:01:36 alleles, the C*07:02:01:01-07:02:69 alleles, the C*07:04:01-07:04:10, the C*07:17:01-07:17:02, the C*07:27:01-07:27:02, the C*07:29:01-07:29:02, the C*07:31:01-07:31:02, the C*07:38:01-07:38:02, the C*07:56:01-07:56:02, the C*07:78:01-07:78:02, the C*07:96:01-07:96:02, the C*07:108:01-07:108:02, the C*07:131:01-07:131:02, the C*07:137:01-07:137:02, the C*07:141:01-07:141:02, the C*07:172:01-07:172:02, the C*07:199:01-07:199:02 or the C*07:314:01-07:314:02 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>.

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:

In primer mix 14, a 3'-primer was added for increased yield of the C*07:25 allele.

