

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

Lot No.: **2H6**

Olerup SSP[®] HLA-C*07

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

Lot number: 2H6

Expiry date: 2023-11-01

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

Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*07 LOT (7E6):

Well	5'-primer	3'-primer	rationale
13	Modified	-	5'-primer modified for improved yield.
15	-	Modified	3'-primer modified for improved yield.
25	-	Added	3'-primer added for the C*07:02:01:17N allele.
30	-	-	Positive control primer pair exchanged for improved HLA-specific amplification.
34	Moved, exchanged	Exchanged	5'-primer moved to primer mixes 71 and 72 and primer pair exchanged for improved HLA-specific amplification.
54	-	Added	3'-primer added for the C*07:593N allele.
64	Exchanged	-	5'-primer was exchanged for improved yield of the C*07:326 allele.
65	-	Added	3'-primer added for the C*07:632Q allele.
66	-	Added	3'-primer added for the C*07:633N allele. Positive control primer pair exchange for reduced tendency of primer oligomer formation.
69	-	Added	3'-primer added for the C*07:02:01:17N allele.
71	Added	-	5'-primer added from primer mix 34.
72	Added	-	5'-primer added from primer mix 34.
73	-	Added	3'-primer added for the C*07:632Q allele.
77	-	Added	3'-primer added for the C*07:533 allele.
78	-	Added	3'-primer added for improved yield of the C*07:68 allele.
79	Added, moved	Added, moved	Primer pair was added for C*07:900:01N, C*07:600:02N and C*07:603N. Primer pair was moved to primer mix 80.
80	Added	Added	3'-primer was added for the C*07:593N allele. Primer pair was added from primer mix 79.
83	-	Added	3'-primer added for the C*07:603N allele.
84	-	Added	3'-primer added for the C*07:633N allele.
85	Added	-	5'-primer added for the C*07:582Q allele.
86	Added	-	5'-primer added for the C*07:582Q allele.
89	Exchanged	-	5'-primer was exchanged for improved yield of the C*07:326 allele.
94	Added	Added	Primer pair added for improved allelic resolution of the C*07:18 allele. Negative control moved to well 96.
95	Added	Added	Primer pairs added for the C*07:359 and the C*07:533 alleles.
96	-	-	Negative control moved from well 94.

THE NUMBER OF WELLS was increased to 96.

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

Lot No.: **2H6**

ALLELE COVERAGE:

C*07:01 to C*07:634, 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, 2018-July-11, release 3.33.0.

The HLA-C*07 kit enables separation of the confirmed HLA-C*07 alleles as listed in the IMGT/HLA database 3.26.0. 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 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*07:120, 07:462	61
C*07:41, 07:447	1	C*07:125, 07:402	54
C*07:51, 07:314:01-07:314:03	19	C*07:132, 07:179	55
C*07:52, 07:337	18	C*07:138, 07:484N	72
C*07:61N, 07:194, 07:368:01-07:368:02	70	C*07:149, 07:381	68
C*07:74, 07:308	39	C*07:164N, 07:212	58
C*07:78:01-07:78:02, 07:235Q, 07:559	40	C*07:165, 07:180	60
C*07:88, 07:474	41	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*07:226, 07:573	86
C*07:104N, 07:119	92	C*07:227N, 07:254	30
C*07:117, 07:126	51	C*07:350N, 07:497	80
C*07:118, 07:203	52		

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:

In primer mix 77, a 3'-primer was added for the C*07:533 allele.

In primer mix 78, a 3'-primer was added for improved yield of the C*07:68 allele.

In primer mix 95, a primer pair was added for the C*07:359 allele and a primer pair was added for the C*07:533 allele.