

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

Lot No.: **41Y**

Olerup SSP® HLA-C*07

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

Lot number: 41Y

Expiry date: 2017-December-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: 92+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*07 LOT (04X):

Well	5'-primer	3'-primer	rationale
4	-	Added	3'-primer added for the C*07:02:65 allele.
14	Moved, added, modified	Moved, added	Primer pairs moved to well 16, primer pairs added from well 16, positive control primer pairs have been exchanged and optimized for improved specificity, 5'-primer modified for improved specificity, 3'-primer added for the C*07:02:65 allele.
16	Moved, added	Moved, added	Primer pairs moved to well 14, primer pairs added from well 14, exchanged positive control primer pairs for improved specificity.
43	-	Added	3'-primer added for the C*07:339 allele.
50	Moved	Moved	Primer pair moved to well 92 for increased HLA-specific amplification and decreased tendency of primer oligomer formation.
65	-	Modified	3'-primer modified for improved HLA-specific amplification.
67	-	Added	3'-primer added for the C*07:393N allele.
68	-	Added	3'-primer added for the C*07:381 allele.
69	-	Added	3'-primer added for the C*07:397 allele.
70	-	Added	3'-primer added for the C*07:131:02 allele.
78	-	Modified	3'-primer modified for improved HLA-specific amplification.
82	-	Added	3'-primer added for the C*07:393N allele.
83	Moved, exchanged	Moved, exchanged	Primer pair exchanged and moved to well 89 for improved HLA-specific amplification.
84	-	Added	3'-primer added for the C*07:386 allele.
87	Added	Added	Negative Control moved to well 93, primer pairs added for the C*07:339 and C*07:340 alleles.
88	New	New	New primer pair added for the C*07:407 allele.
89	Added, exchanged	Added, exchanged	Primer pair exchanged and added from well 83.
90	New	New	New primer pair added for the C*07:351 allele.
91	New	New	New primer pair added for the C*07:153 allele.
92	Added	Added	Primer pair added from well 50.
93	-	-	Negative Control added from well 87.

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THE NUMBER OF WELLS is increased from 87 to 93.

ALLELE COVERAGE:

C*07:01 to C*07:409, 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-January-19, release 3.19.0.

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.

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, 07:347N	71	C*07:118, 07:203	52
C*07:51, 07:314	19	C*07:125, 07:374, 07:402	54
C*07:52, 07:337	18	C*07:132, 07:179	55
C*07:61N, 07:194, 07:368	70	C*07:133, 07:149, 07:381	67
C*07:74, 07:308	39	C*07:147, 07:241	60
C*07:78, 07:235Q	40	C*07:164N, 07:212	58
C*07:93, 07:207	42	C*07:165, 07:180	60
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, 07:01:37-07:01:45 and 07:01:47 alleles, the C*07:01:05 and 07:01:36 alleles, the C*07:02:01-07:02:67 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*07:31:01-07:31:02, the C*07:38:01-07:38:02, the C*07:56:01-07:56:02, 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 or the C*07:199:01-07:199:02 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:

No comments received.