

Lot No.: **42S**

Olerup SSP[®] HLA-C*07

Product number: 101.615-24/04 – including *Taq* pol.
101.615-24u/04u - without *Taq* pol.
Lot number: 42S
Expiry date: 2015-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: 74

CHANGES COMPARED TO THE PREVIOUS HLA-C*07 LOT (38R):

Well	5'-primer	3'-primer	rationale
9	Moved	Moved	Primer pair moved to well 71, to decrease primer oligomer formation.
19	Moved,	Moved, modified	Two primer pairs moved to well 74, 3'-primer modified to decrease unspecific amplifications.
24	Moved	Moved	Primer pair moved to well 74, to decrease unspecific amplifications.
35	Moved	Moved, modified	Primer pair moved to well 73 to decrease primer oligomer formation, 3'-primer modified to decrease unspecific amplifications.
38	Moved	Moved	Primer pair moved to well 70 to decrease unspecific amplifications.
65	New	New	New primer pair for the A*07:264N allele.
66	New	New	New primer pair for the A*07:279 allele.
67	New	New	New primer pair for the A*07:285 allele.
68	New	New	New primer pair for the A*07:149 allele.
69	New	New	New primer pair for the A*07:171 allele.
70	Added	Added	Primer pair added from well 38.
71	Added	Added	Primer pair added from well 9.
72	Added	Added	Primer pair added from well 24, 5'-primer added for the C*07:137:02 allele.
73	Added	Added	Primer pair added from well 35.
74	Added	Added	Two primer pairs added from well 9.

THE NUMBER OF WELLS is increased from 64 to 74.

ALLELE COVERAGE:

C*07:01 to C*07:299, i.e. all the currently recognized HLA-C*07 alleles, will be amplified by the primers in the HLA-C*18 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2013-January-11, release 3.11.0.

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

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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 C*07:78 and 07:235 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 40.

The C*07:93 and 07:207 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 42.

The C*07:100 and 07:161 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 49.

The C*07:104N, 07:119 and 07:124 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 50.

The C*07:117 and 07:126 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 51.

The C*07:118 and 07:203 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 52.

The C*07:129 and 07:153 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 54.

The C*07:132 and 07:179 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 55.

The C*07:147 and 07:241 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 60.

The C*07:164N and 07:212 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 58.

The C*07:165 and 07:180 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 60.

The C*07:227N and 07:254 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

The HLA-C*07 subtyping kit cannot distinguish the following silent mutations: the C*07:01:01:01-07:01:04, 07:01:06-07:01:24 and 07:01:26-07:01:33 alleles, the C*07:02:01:01-07:02:39 alleles, the C*07:04:01-07:04:08, 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*07:137:01-07:137:02 or the C*07:141:01-07:141:02 alleles.

RESOLUTION IN HLA-C*07 HOMO- AND HETEROZYGOTES:

Good.

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.