

## Olerup SSP<sup>®</sup> HLA-C\*07

**Product number:** 101.615-24/04 – including *Taq* pol.  
 101.615-24u/04u - without *Taq* pol.  
**Lot number:** 66N  
**Expiry date:** 2014-October-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:** 64

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*07 LOT (62M):

Well	5'-primer	3'-primer	rationale
11	Added	-	5'-primer added for the C*07:112 allele.
15	-	-	Exchanged positive control primer pair, to decrease primer oligomer formation.
20	Modified	-	Increased yield of specific PCR product.
31	-	Modified	Increased yield of specific PCR product.
34	-	-	Exchanged positive control primer pair, to decrease primer oligomer formation.
35	Moved	Moved	Exchanged positive control primer pair, primer pair moved to well 43, to decrease primer oligomer formation.
42	Added	-	5'-primers added for the C*07:123, 07:173 and 07:207 alleles.
43	Added	Added	Primer pair from well 35.
46	-	Added	3'-primers added for the C*07:152N, and 07:202 alleles.
47	-	Added	3'-primer added for the C*07:152N allele.
49	New	New	New primer pairs for the C*07:100, 07:101 and 07:148 alleles.
50	New	New	New primer pairs for the C*07:104N, 07:119, 07:124, 07:155, and 07:122 alleles.
51	New	New	New primer pairs for the C*07:117, 07:121Q and 07:126 alleles.
52	New	New	New primer pairs for the C*07:118, 07:203 and 07:106 alleles.
53	New	New	New primer pairs for the C*07:140, 07:151 and 07:154 alleles.
54	New	New	New primer pairs for the C*07:125, 07:129, 07:153 and 07:172 alleles.
55	New	New	New primer pairs for the C*07:132 and 07:179 alleles.
56	New	New	New primer pairs for the C*07:143, 07:150Q, 07:123 and 07:173 alleles.
57	New	New	New primer pair for the C*07:130 allele.

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58	New	New	New primer pairs for the C*07:137:02, 07:164N and 07:202 alleles.
59	New	New	New primer pairs for the C*07:141, 07:145 and 07:191N alleles.
60	New	New	New primer pairs for the C*07:147, 07:165 and 07:180 alleles.
61	New	New	New primer pairs for the C*07:120 and 07:218 alleles.
62	New	New	New primer pairs for the C*07:106, 07:127 and 07:205 alleles.
63	New	New	New primer pairs for the C*07:198N, 07:24 and 07:202 alleles.
64	New	New	New primer pairs for the C*07:176 and 07:192 alleles.

**THE NUMBER OF WELLS** is increased from 48 to 64.

#### ALLELE COVERAGE:

C\*07:01 to C\*07:220, i.e. all the currently recognized HLA-C\*07 alleles, will be amplified by the primers in the HLA-C\*18 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012-January-12, release 3.7.0.

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 HLA-C\*07 subtyping kit cannot distinguish the following silent mutations: the C\*07:01:01-07:01:04 and 07:01:06-07:01:24 alleles, the C\*07:02:01:01-07:02:29 alleles, the C\*07:04:01-07:04:07, the C\*07:27:01-07:27:02 or the C\*07:56:01-07:56:02 alleles.

<sup>1</sup>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, 07:121Q 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\*07:122 and 07:151 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 53.

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.

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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.

**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.