Olerup SSP® HLA-C*06

Product number:	**101.614-12 – including *Taq* polymerase** **101.614-12u – without *Taq* polymerase**
Lot number:	**76N**
Expiry date:	**2015-January-01**
Number of tests:	**12**
Number of wells per test:	**41**

CHANGES COMPARED TO THE PREVIOUS HLA-C*06 LOT (31M):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the C*06:02:16 allele.
5	-	-	Exchanged positive control primer pair.
6	Exchanged	-	Improved specificity of primer pair.
12	Moved	Moved	Primer pair moved to well 32 for decreased primer oligomer formation.
13	Added	Added	Primer pair added for the C*06:59 alleles.
14	Added	Added	Primer pair added for the C*06:55 alleles.
16	Moved	Moved	Primer pair moved to well 34 for decreased primer oligomer formation.
17	-	Added	3'-primer added for the C*06:59 allele.
28	Added	-	5'-primer added for the C*06:47 allele.
29	Added	-	5'-primer added for the C*06:47 allele.
32	New, added	New, added	Primer pair from well 12, new primer pair for the C*06:66 allele.
33	New	New	New primer pairs for the C*06:60 and *06:69 alleles.
34	New	New	Primer pair from well 16.
35	New	New	New primer pairs for the C*06:46N and 06:65 alleles.
36	New	New	New primer pairs for the C*06:57 and 06:58 alleles.
37	New	New	New primer pair for the C*06:49N allele.
38	New	New	New primer pairs for the C*06:70 and 06:73 alleles.
39	New	New	New primer pair for the C*06:50 allele.
40	New	New	New primer pair for the C*06:54 allele.
41	New	New	New primer pair for the C*06:03:02 and 06:76 alleles.

THE NUMBER OF WELLS has been increased from 31 to 41.

ALLELE COVERAGE:

C*06:01 to C*06:76, i.e. all the currently recognized HLA-C*06 alleles, will be amplified by the primers in the HLA-C*06 SSP kit [1,2]; www.ebi.ac.uk/imgt/hla, 2012-April-12, release 3.8.0.

The HLA-C*06 kit enables separation of the confirmed HLA-C*06 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*06 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*06 primer set cannot distinguish the silent mutations in the C*06:02:01:01-06:02:01:02 and 06:02:03-06:02:19 alleles.

[1]The C*06:07 and C*06:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 7.
The C*06:16N and C*06:21 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.
The C*06:24 and C*06:37 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.
The C*06:25 and C*06:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.
The C*06:27 and C*06:29 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.
The C*06:28 and C*06:32 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 19.
The C*06:46N and C*06:65 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.
The C*06:57 and C*06:58 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.
The C*06:60 and C*06:69 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 33.
The C*06:70 and C*06:73 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

[2]The HLA-C*06 primer set cannot separate the C*06:72 and the C*03:39 and 12:16 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*03 and HLA-C*12 high resolution kit.

RESOLUTION IN HLA-C*06 HOMO- AND HETEROZYGOTES:

The C*06:02, 06:02 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-C*06 SUBTYPINGS BY NON-HLA-C*06 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.