Olerup SSP® HLA-C*06

Product number:	**101.614-12 – including *Taq* polymerase** **101.614-12u – without *Taq* polymerase**
Lot number:	**75V**
Expiry date:	**2016-November-01**
Number of tests:	**12**
Number of wells per test:	**47+1**

CHANGES COMPARED TO THE PREVIOUS HLA-C*06 LOT (07S):

Well	5'-primer	3'-primer	rationale
6	-	Added	3'-primer added for the C*06:96 allele.
9	Added	-	5'-primer added for the C*06:103 allele.
12	Removed	-	5'-primer removed.
15	Added		5'-primer added for the C*06:116N allele.
17	-	-	Exchanged positive control primer pair for decreased tendency of primer oligomer formation.
21	Added	-	5'-primer added for the C*06:72 allele.
24	Added	-	5'-primer added for the C*06:103 allele.
25	-	Added	3'-primer added for the C*06:118 allele.
28	Added	-	5'-primer added for the C*06:123 allele.
29	Added	-	5'-primer added for the C*06:43:02 allele.
31	Added	Added	Primer pair added for the C*06:111 allele.
33	-	Added	3'-primer added for the C*06:93 allele.
34	Added	-	5'-primer added for the C*06:74Q allele.
35	-	Added	3'-primer added for the C*06:93 allele.
36	-	Added	3'-primer added from well 46.
37	Added	-	5'-primer added for the C*06:101 allele.
39	-	Added	3'-primer added for the C*06:96 allele.
44	Added	Added	Primer pair added for the C*06:100 allele.
46	Moved, added	Moved, added	Primer pair moved to well 36, Primer pair added for the allelic resolution of C*06:76:01 and C*06:76:02 alleles.
48	-	-	Negative Control.

THE NUMBER OF WELLS has been increased from 47 to 48.

ALLELE COVERAGE:
C*06:01 to C*06:123, 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, 2014-January-17, release 3.15.0.

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 following HLA-C*06 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*06:07, 06:33	7	C*06:27, 06:29	20
C*06:15, C06:116N	15	C*06:45, 06:111	31
C*06:16N, 06:21	16	C*06:46N, 06:65	35
C*06:20, 06:74Q	34	C*06:57, 06:58	36
C*06:24, 06:37	17	C*06:60, 06:69	33
C*06:25, 06:36	21	C*06:70, 06:73	38

The HLA-C*06 primer set cannot distinguish the silent mutations in the C*06:02:01:01-06:02:01:03, C*06:02:03-06:02:36, the C*06:43:01-06:43:02 or the C*06:53:01-06:53:02 alleles.

[1]Alleles 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.
[2]The HLA-C*06 primer set cannot separate the C*06:09 and C*06:103 alleles. These alleles can be distinguished by the HLA-C low resolution kit.
The HLA-C*06 primer set cannot separate the C*06:76:02 and C*12:28, 12:58, 12:63 and 12:108 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or 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.