Olerup SSP® HLA-C*03

Product number:	**101.611-12 – including *Taq* polymerase** **101.611-12u – without *Taq* polymerase**
Lot number:	**1H4**
Expiry date:	**2021-06-01**
Number of tests:	**12**
Number of wells per test:	**62+1**

CHANGES COMPARED TO THE PREVIOUS HLA-C*03 LOT (6E9):

Well	5'-primer	3'-primer	rationale
2	Exchanged	-	5'-primer exchanged for the C*03:02:15 allele.
10	-	Added	3'-primer added for increased yield of the C*02:02:01 allele.
13	Exchanged	-	5'-primer exchanged for the C*03:02:15 allele.
22	-	Added	3'-primer added for increased yield of the C*03 alleles.
24	Moved	Moved	Primer pair moved to well 59 for decreased tendency of primer oligomer formation.
35	Moved	Moved	Primer pair moved to well 60 for decreased tendency of primer oligomer formation.
41	-	Added	3'-primer added for the C*03:380N allele.
42	Moved	Moved	Primer pair moved to well 62 for decreased tendency of primer oligomer formation.
52	-	Added	3'-primer added for the C*03:377N allele.
53	-	Added	3'-primer added for the C*03:380N allele.
56	-	Added	3'-primer added for the C*03:363N allele.
58	Added	Added	Negative control moved to well 63, primer pair added for improved allelic resolution.
59	Added	Added	Primer pair added from well 24.
60	Added	Added	Primer pair added from well 35.
61	New	New	New primer pair added for the C*03:366N allele.
62	Added	Added	Primer pair added from well 42.
63	-	-	Negative Control added from well 58.

THE NUMBER OF WELLS is increased from 58 to 63 wells.

ALLELE COVERAGE:
C*03:02 to C*03:390, i.e. all the currently recognized HLA-C*03 alleles, will be amplified by the primers in the HLA-C*03 subtyping kit[1,2]; www.ebi.ac.uk/imgt/hla, 2018-July-11, release 3.33.0.

The HLA-C*03 kit enables separation of the confirmed HLA-C*03 alleles as listed in the IMGT/HLA database 3.25.0. 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*03 kit also enables identification of null and alternatively expressed alleles.

The following HLA-C*03 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*03:04:19, 03:265N	12	C*03:44, 03:123, 03:209	31
C*03:06:01-03:06:02, 03:287	6	C*03:49, 03:103	23
C*03:23, 03:263:01-03:263:02	18	C*03:50, 03:122	36
C*03:24, 03:236	19	C*03:62, 03:346	33
C*03:28, 03:90	23	C*03:68, 03:205	41
C*03:37:01-03:37:02, 03:208N	27	C*03:72, 03:219	36
C*03:44, 03:123, 03:209	31		

[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 C*03:99:01 and C*05:107 alleles give rise to identical amplification patterns with the HLA-C*03 subtyping kit. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*05 subtyping kits.
The C*03:135, 03:154, 03:260, 03:286 and 03:326 and the C*15:43 give rise to identical amplification patterns with the HLA-C*03 subtyping kit. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*15 subtyping kits.

RESOLUTION IN HLA-C*03 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*03 SUBTYPINGS BY NON-HLA-C*03 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.