

Olerup SSP[®] HLA-C*02

Product number: 101.622-12 – including *Taq* polymerase
 101.622-12u – without *Taq* polymerase
Lot number: 6H0
Expiry date: 2021-11-01
Number of tests: 12
Number of wells per test: 43+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*02 LOT (3G8):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the C*02:02:35 allele.
16	Modified	Modified	5'-primer modified for improved HLA-specific amplification and increased yield.
30	Exchanged	Modified	5'-primer exchanged, 3'-primer modified and positive control primers exchanged for improved HLA-specific amplification and for decreased tendency of primer oligomer formation.
37	-	Added	3'- primer added for the C*02:135N allele.
39	Exchanged	-	5'-primer exchanged for decreased tendency of oligomer formation.
43	New	New	Negative Control moved to well 44. New primer pair added for improved resolution of the C*02:150N allele.
44	-	-	Negative Control added from well 43.

THE NUMBER OF WELLS is increased from 43 to 44.

ALLELE COVERAGE:

C*02:02 to C*02:156, i.e. all the currently recognized HLA-C*02 alleles, will be amplified by the primers in the HLA-C*02 SSP kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2018-October-18, release 3.34.0.

The HLA-C*02 kit enables separation of the confirmed HLA-C*02 alleles as listed in the IMGT/HLA database 3.24.0. 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*02 kit also enables identification of null and alternatively expressed alleles.

The following HLA-C*02 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*02:05:02:02:05:03, 02:22	5	C*02:35, 02:69, 02:70, 02:120	23
C*02:15, 02:21	15	C*02:37, 02:52N	28
C*02:25Q, 02:30	21		

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¹Alleles 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>.

²The HLA-C*02 primer set cannot separate the C*02:10:01:01-02:10:01:05, 02:89, 02:133 and 02:143 alleles from the C*06:18 allele. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*06 high resolution kit.

RESOLUTION IN HLA-C*02 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*02 SUBTYPINGS BY NON-HLA-C*02 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.