

Lot No.: **3G8**

Olerup SSP[®] HLA-C*02

Product number: 101.622-12 – including Taq polymerase
 101.622-12u – without Taq polymerase

Lot number: 3G8

Expiry date: 2021-01-01

Number of tests: 12

Number of wells per test: 42+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*02 LOT (2E7):

Well	5'-primer	3'-primer	rationale
36	-	Added	3'-primer added for the C*02:121N allele.
37	Modified	-	5'-primer modified for improved HLA-specific amplification.
39	Modified	-	5'-primer modified for improved HLA-specific amplification. Exchanged positive control primers for decreased tendency of primer oligomer formation.
41	-	Added	3'- primer added for the C*02:121N allele.
42	New	New	Negative Control moved to well 43. New primer pair added for improved resolution of the C*02:10:01:01-02:10:01:03 alleles.
43	-	-	Negative Control added from well 42

THE NUMBER OF WELLS is increased from 42 to 43.

ALLELE COVERAGE:

C*02:02 to C*02:134, 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-January-19, release 3.31.0.

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 polymorphisms in exons outside of the region encoding the peptide binding domain and 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	C*02:75, 02:126	13

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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*02:10:01:01-02:10:01:03, 02:89 and 02:133 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.

Change in revision R01 compared to R00:

1. The expiry date has been corrected.