

Olerup SSP® HLA-C*02

Product number:	101.622-12 – including <i>Taq</i> polymerase 101.622-12u – without <i>Taq</i> polymerase
Lot number:	2E7
Expiry date:	2019-03-01
Number of tests:	12
Number of wells per test:	41+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*02 LOT (96Y):

Well	5'-primer	3'-primer	rationale
28	-	Exchanged	3'-primer exchanged for improved HLA-specific amplification.
37	Added	Added	Negative Control moved to well 42, primer pair added for the C*02:91 allele.
38	New	New	New primer pair for the C*02:93 allele.
39	New	New	New primer pair added for the C*02:97 allele.
40	New	New	New primer pair added for the C*02:98 allele.
41	New	New	New primer pair added for the C*02:104 allele.
42	-	-	Negative Control added from well 37.

THE NUMBER OF WELLS is increased from 37 to 42.

ALLELE COVERAGE:

C*02:02 to C*02:114, 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, 2016-April-15, release 3.24.0.

The HLA-C*02 kit enables separation of the confirmed HLA-C*02 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*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	23
C*02:15, 02:21	15	C*02:37, 02:52N	28
C*02:25Q, 02:30	21		

The HLA-C*02 primer set cannot distinguish the following silent mutations: the C*02:02:01-02:02:03, 02:02:06-02:02:12, 02:02:15-02:02:25 and 02:02:27-02:02:30 alleles, the C*02:02:05 and 02:02:13-02:02:14 alleles, the C*02:05:02-02:05:03 alleles, the C*02:14:01-02:14:02 alleles, the C*02:26:01-02:26:03 or the C*02:53:01-02:53:02 alleles.

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101.622-12u – without *Taq* polymerase

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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 and 02:89 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:

The C*02:02,02:02 and C*02:02,02:10 genotypes give rise to identical amplification patterns.

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.