

101.622-12 – including *Taq* polymerase

101.622-12u – without *Taq* polymerase

Lot No.: 81X

Olerup SSP® HLA-C*02

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

Lot number: 81X

Expiry date: 2017-August-01

Number of tests: 12

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*02 LOT (99V):

Well	5'-primer	3'-primer	rationale
10	-	Added	3'-primer added for the C*02:02:29 allele.
26	Exchanged	-	5'-primer exchanged for the C*02:40:02 allele.
28	Modified	-	5'-primer modified for improved HLA-specific amplification.
29	Added	Added	Primer pair added for the C*02:83 allele.
31	Added	Added	Primer pair added for the C*02:83 allele.
32	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*02:02 to C*02:89, i.e. all the currently recognized HLA-C*02 alleles, will be amplified by the primers in the HLA-C*02 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2014-October-10, release 3.18.0².

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*02:25Q, 02:30	21
C*02:15, 02:21	15	C*02:35, 02:69, 02:70	23
C*02:24, 02:65	20	C*02:37, 02:52N	28

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 02:02:27-02:02:29 alleles, the C*02:02:05 and 02:02:13-02:02:14 alleles, the C*02:05:02-02:05:03 alleles or the C*02:26:01-02:26:03 alleles.

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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 and 02:89 alleles from C*06:18. 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.