

101.611-12 – including *Taq* polymerase

101.611-12u – without *Taq* polymerase

Lot No.: **64V**

Olerup SSP® HLA-C*03

Product number: 101.611-12 – including *Taq* polymerase
101.611-12u – without *Taq* polymerase

Lot number: 64V

Expiry date: 2016-October-01

Number of tests: 12

Number of wells per test: 47+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*03 LOT (94R):

Well	5'-primer	3'-primer	rationale
16	Added	Added	Primer pair added for the C*03:218 and C*02:226 alleles.
17	Added	Added, modified	Primer pair added for the C*03:167 allele, 3'-primer modified for improved HLA-specific amplification.
18	Modified	-	5'-primer modified for improved HLA-specific amplification.
19	Added	Added	Primer pair added for the C*03:236 allele.
20	Added	Added	Primer pair added for the C*03:227 allele.
22	Added	Added	Primer pair added for the C*03:213 allele.
24	Added	Added	5'-primer added for the C*03:121N allele, 3'-primer added for the C*03:229N allele.
25	Added	-	5'-primers added for the C*03:207 and C*03:211:02 alleles.
27	-	Added	3'-primers added for the C*03:208N allele.
31	Added	Added	Primer pair added from well 48.
32	-	Added	3'-primer added for the C*03:189N allele.
33	-	Added	3'-primer added for the C*03:224N allele.
35	-	Added	3'-primer added for the C*03:229N allele.
36	Added	Added	Primer pair added for the C*03:219 allele.
38	-	Added	3'-primer added for the C*03:145 allele.
39	-	Added	3'-primer added for the C*03:145 allele.
41	-	Added	3'-primer added for the C*03:205 allele.
42	-	Added	3'-primer added for the C*03:201N allele.
44	-	Added	3'-primer added for the C*03:229N allele.
45	Added	Added	Primer pair added for the C*03:206 allele.
48	Moved	Moved	Primer pair moved to well 31, Negative Control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*03:02 to C*03:236, 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, 2014-January-17, release 3.15.0.

The HLA-C*03 kit enables separation of the confirmed HLA- C*03 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if

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it has been sequenced by more than a single laboratory or from multiple sources.

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

Alleles	Primer mix	Alleles	Primer mix
C*03:24, 03:236	19	C*03:56, 03:85	35
C*03:28, 03:90	23	C*03:64:01, 03:82	35
C*03:37:01-03:37:02, 03:208N	27	C*03:68, 03:205	41
C*03:44, 03:123, 03:209	31	C*03:70, 03:78, 03:179	42
C*03:49, 03:103	23	C*03:76, 03:206	45
C*03:50, 03:122	36	C*03:171, 03:207	25

The HLA-C*03 subtyping kit cannot distinguish the following silent mutations: the C*03:02:01-03:02:09 and 03:02:11-03:02:12, the C*03:03:01-03:03:11, 03:03:13-03:03:14, 03:03:16-03:03:20 and 03:03:22-03:03:24, the C*03:03:12 and 03:03:15, the C03:04:01:01-03:04:18, 03:04:20-03:04:24 and 03:04:27-03:04:44, the C*03:13:01-03:13:02, the 03:37:01-03:37:02, the C*03:38:01-03:38:02, the 03:40:01 and 03:40:03, the 03:116:01-03:116:02 or the C*03:211:01-03:211:02 alleles.

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 C*03:135, C*03:154, and C*15:43 give rise to identical amplification patterns with the HLA-C*03 subtyping kit. These two 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.