

101.611-12 – including *Taq* polymerase

101.611-12u – without *Taq* polymerase

Lot No.: **63Y**

Olerup SSP® HLA-C*03

Product number: 101.611-12 – including *Taq* polymerase
101.611-12u – without *Taq* polymerase
Lot number: 63Y
Expiry date: 2018-January-01
Number of tests: 12
Number of wells per test: 47+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*03 LOT (64V):

Well	5'-primer	3'-primer	rationale
7	Added	-	5'-primer added for the C*03:03:26 allele.
10	-	Added	3'-primer added for the C*03:115 allele.
11	-	Added	3'-primer added for the C*03:126 allele.
12	-	Added	3'-primers added for the C*03:214 and 03:265N alleles.
16	Added	-	5'-primers added for the C*03:252 allele.
19	-	Added	3'-primers added for the C*03:115 allele.
20	Added	Added	Primer pair added for the C*03:252 allele.
22	-	Added	3'-primers added for the C*03:237 and C*03:227N alleles.
23	Added	-	5'-primers added for the C*03:153 allele.
24	-	Added	3'-primer added for the C*03:184 allele.
25	-	Modified	5'-primer modified for improved HLA-specific amplification.
26	Added	-	5'-primer added for the C*03:176 allele.
27	-	Added	3'-primer added for the C*03:18:02 allele.
28	-	Added	3'-primers added for the C*03:41:02, 03:147 and 03:258 alleles.
29	-	Added	3'-primer added for the C*03:165 allele.
30	-	Added	3'-primer added for the C*03:221 allele.
32	-	Added	3'-primer added for the C*03:174 allele.
33	-	Added	3'-primer added for the C*03:167 allele.
34	-	Added	3'-primer added for the C*03:192 allele.
35	-	Added	3'-primers added for the C*03:214 and C*03:244Q alleles.
36	-	Added	3'-primer added for the C*03:212 allele.
38	-	Added	3'-primer added for the C*03:184 allele.
39	-	Added	3'-primer added for the C*03:174 allele.
40	-	Added	3'-primer added for the C*03:126 allele.
42	-	Added	3'-primers added for the C*03:192 and C*03:277N alleles.
43	Added	-	5'-primers added for the C*03:137 and C*03:153 alleles.
44	-	Added	3'-primer added for the C*03:244Q allele.
47	Added	-	5'-primer added for the C*03:176 allele.
48	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

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ALLELE COVERAGE:

C*03:02 to C*03:284, 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, 2015-April-17, release 3.20.0.

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 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*03:04:19, 03:265N	12	C*03:50, 03:122	36
C*03:24, 03:236	19	C*03:56, 03:85	35
C*03:28, 03:90	23	C*03:68, 03:205	41
C*03:37:01-03:37:02, 03:208N	27	C*03:70, 03:78, 03:179	42
C*03:44, 03:123, 03:209	31	C*03:171, 03:207	25
C*03:49, 03:103	23		

The HLA-C*03 subtyping kit cannot distinguish the following silent mutations: the C*03:02:01-03:02:09 and 03:02:11-03:02:14, the C*03:03:01-03:03:11, 03:03:13-03:03:14, 03:03:16-03:03:20 and 03:03:22-03:03:28, the C*03:03:12, 03:03:15 and 03:03:29, the C*03:04:01:01-03:04:18, 03:04:20-03:04:24 and 03:04:27-03:04:47, the C*03:06:01-03:06:02, the C*03:13:01-03:13:02, the 03:37:01-03:37:02, the 03:40:01 and 03:40:03-03:40:04, the C*03:41:01-03:41:02, the C*03:87:01-03:87:02, the 03:116:01-03:116:02, the C*03:186:01-03:186:02 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*03:99 and C*05:107 alleles give rise to identical amplification patterns with the HLA-C*03 subtyping kit. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*05 subtyping kits.

The C*03:135, C*03:154, 03:260 and C*15:43 give rise to identical amplification patterns with the HLA-C*03 subtyping kit. These 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.

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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.