

Olerup SSP® HLA-C*12

Product number:	101.624-12 – including <i>Taq</i> polymerase 101.624-12u – without <i>Taq</i> polymerase
Lot number:	1F8
Expiry date:	2020-01-01
Number of tests:	12
Number of wells per test:	47+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*12 LOT (3D5):

Well	5'-primer	3'-primer	rationale
7	Exchanged	-	5'-primer exchanged for the C*12:33 allele, exchange of positive control primer pairs.
11	-	Added	3'-primer added for the C*12:158 allele.
17	Added	-	5'-primer added for the C*12:99:02 allele.
18	Added	Added	Primer pair added for the C*12:201 allele.
20	-	Added	3'-primer added for the C*12:158 allele.
22	Added	-	5'-primer added for the C*12:99:02 allele.
23	Added	Added	Primer pairs added for the C*12:172 and C12:201 alleles, 3'-primer added for the C*12:205 allele.
25	Added	-	5'-primers added for the C*12:149 and C*12:167 alleles.
26	-	Added	3'-primer added for increased yield.
27	-	Added	3'-primer added for the C*12:153 allele.
29	Added	Added	Primer pair added for the C*12:172 allele.
30	Added	-	5'-primers added for the C*12:144 and C*12:162 alleles.
31	-	Added	3'-primer added for the C*12:164 allele.
33	-	Added	3'-primer added for the C*12:100 allele.
34	Added	-	5'-primer added for the C*12:171 allele.
36	Added	-	5'-primer added for the C*12:149 allele.
37	-	Added	3'-primer added for the C*12:163 allele.
38	Added	-	5'-primer added for the C*12:156 allele.
39	Added	-	5'-primer added for the C*12:136 allele.
41	-	Added	3'-primer added for the C*12:164 allele.
45	Added	Added	Negative Control moved to well 48, primer pair added for the C*12:181 allele.
46	New	New	New primer pair added for the C*12:165 allele.
47	New	New	New primer pair added for the C*12:02:14 allele.
48	-	-	Negative Control added from well 45.

THE NUMBER OF WELLS is increased from 45 to 48.

ALLELE COVERAGE:

C*12:02 to C*12:206, i.e. all the currently recognized HLA-C*12 alleles, will be amplified by the primers in the HLA-C*12 SSP kit²; www.ebi.ac.uk/imgt/hla, 2017-January-20¹, release 3.27.0.

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101.624-12u – without *Taq* polymerase

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The HLA-C*12 kit enables separation of the confirmed HLA-C*12 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*12 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*12 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*12:03:09, 12:159	17	C*12:39N, 12:167	25
C*12:06, 12:48, 12:81	6	C*12:45, 12:50	28
C*12:23, 12:203	22	C*12:46N, 12:139	20
C*12:29, 12:38	29	C*12:86, 12:104N	29
C*12:30, 12:36	27	C*12:109, 12:171	34
C*12:32, 12:34	30		

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*12 primer set cannot separate the C*12:09, C*05:16, C*05:85, C*05:107 and C*16:88 alleles or the C*12:16 and C*01:21 alleles. These alleles can be distinguished by the HLA-C low resolution kit and the HLA-C*01, HLA-C*05, or HLA-C*16 kit, respectively.

RESOLUTION IN HLA-C*12 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*12 SUBTYPINGS BY NON-HLA-C*12 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.