

101.624-12 – including *Taq* polymerase

101.624-12u – without *Taq* polymerase

Lot No.: **3D5**

Olerup SSP® HLA-C*12

Product number: 101.624-12 – including *Taq* polymerase
101.624-12u – without *Taq* polymerase
Lot number: 3D5
Expiry date: 2018-June-01
Number of tests: 12
Number of wells per test: 44+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*12 LOT (77X):

Well	5'-primer	3'-primer	rationale
13	Added	-	5'-primer added for the C*12:155Q allele.
17	Added	-	5'-primer added for the C*12:159 allele.
20	-	Added	3'-primers added for the C*12:94 and C*12:139 alleles.
22	Added	-	5'-primer added for the C*12:99 allele.
24	Added	-	5'-primer added for the C*12:99 allele.
25	Added	-	5'-primer added for the C*12:02:12 allele.
27	Added	Added	5'-primer added for the C*12:155Q allele, 3'-primer added for the C*12:94 allele.
30	Added	Added	Primer pair added for the C*12:143 allele.
31	-	Added	3'-primer added for the C*12:123 allele.
32	Added	-	5'-primer added for the C*12:62 allele.
34	Added	-	5'-primer added for the C*12:125 allele.
35	Added	Added	5'-primer added for the C*12:125 allele, primer pair added for the C*12:143 allele.
36	Added	Added	Primer pair added for the C*12:62 allele.
37	-	Added	3'-primer added for the C*12:73 allele.
38	Added	Added	Negative Control moved to well 45, primer pair added for the C*12:113 allele.
39	New	New	New primer pairs added for the C*12:59 and C*12:82 alleles.
40	New	New	New primer pair added for the C*12:72 allele.
41	New	New	New primer pairs added for the C*12:90 and 12:148 alleles.
42	New	New	New primer pair added for the C*12:122 allele.
43	New	New	New primer pair added for the C*12:132 allele.
44	New	New	New primer pair added for the C*12:160 allele.
45	-	-	Updated negative control added from well 38.

THE NUMBER OF WELLS has increased from 38 to 45.

ALLELE COVERAGE:

C*12:02 to C*12:167, 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, 2015-October-10¹, release 3.22.0.

101.624-12 – including *Taq* polymerase

101.624-12u – without *Taq* polymerase

Lot No.: **3D5**

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 HLA-C*12 subtyping kit cannot distinguish the following silent mutations: the C*12:02:01-12:02:05, 12:02:07, 12:02:09-12:02:11 and 12:02:13 alleles, the C*12:02:06, 12:02:08 and 12:02:12 alleles, the C*12:03:01:01-12:03:01:03, 12:03:03, 12:03:05-12:03:07, 12:03:10-12:03:12, 12:03:14-12:03:15, 12:03:17-12:03:18, 12:03:21-12:03:23, 12:03:25-12:03:29, 12:03:31, 12:03:33 and 12:03:35-12:03:37 alleles, the C*12:03:02, 12:03:08, 12:03:16, 12:03:20 and 12:03:30 alleles, the 12:03:19 and 12:03:32 alleles, the 12:03:34:01-12:03:34:02 alleles or the C*12:10:01-12:10:02 alleles.

The following HLA-C*12 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

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

¹ Alleles 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>.

² The HLA-C*12 primer set cannot separate the C*12:09, C*05:16, C*05:85 and C*05:107 alleles, the C*12:16 and C*01:21 alleles, the C*12:18:02 and C*08:21 alleles, the C*12:153 and C*16:15:02 alleles, or the C*12:33 and the C*02:05:01-02:05:03 and 02:17 alleles. These alleles can be distinguished by the HLA-C low resolution kit and the HLA-C*01, HLA-C*02, HLA-C*05, HLA-C*08 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.