101.624-12 – including *Taq* polymerase
101.624-12u – without *Taq* polymerase
Lot No.: 46V

Olerup SSP® HLA-C*12

Product number:	**101.624-12 – including *Taq* polymerase**
	101.624-12u – without *Taq* polymerase
Lot number:	**46V**
Expiry date:	**2016-August-01**
Number of tests:	**12**
Number of wells per test:	**37+1**

CHANGES COMPARED TO THE PREVIOUS HLA-C*12 LOT (26S):

Well	5'-primer	3'-primer	rationale
6	Added	-	5'-primer added for the C*12:102 allele.
12	Added	-	5'-primer added for the C*12:02:11 allele.
14	Added	-	5'-primer added for the C*12:60 allele.
20	-	Added	3'-primer added for the C*12:58 allele.
27	-	Added	3'-primer added for the C*12:101 allele.
29	-	Added	3'-primer added for the C*12:104N allele.
30	Added	-	5'-primer added C*12:102 allele.
33	New	New	New primer pair for the C*12:105N allele.
34	New	New	New primer pair for the C*12:109 allele.
35	New	New	New primer pair for the C*12:110 allele.
36	New	New	New primer pair for the C*12:111 allele.
37	New	New	New primer pair for the C*12:108 allele.
38			Negative Control.

THE NUMBER OF WELLS is increased from 32 to 38.

ALLELE COVERAGE:
C*12:02 to C*12:115, i.e. all the currently recognized HLA-C*12 alleles, will be amplified by the primers in the HLA-C*12 SSP kit[2]; www.ebi.ac.uk/imgt/hla, 2013-January-17[1], release 3.15.0.

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 alleles, the C*12:02:06 and 12:02:08, the C*12:03:01:01-12:03:01:02, 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 and 12:03:25-12:03:29 alleles, the C*12:03:02, 12:03:08, 12:03:16, 12:03:20 alleles or the C*12:10:01-12:10:02 alleles.

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

Alleles	Primer mix
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*12:86, 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 and C*05:85 alleles, the C*12:16 and C*01:21 alleles, the C*12:18:02 and C*08:21 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 or HLA-C*08 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.

Change in revision R01 compared to R00:
1.   The expiry date has been corrected to 2016-August-01.

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April 2014   For *In Vitro* Diagnostic Use.
Rev. No.: 01   www.olerup-ssp.com