

101.624-12 – including *Taq* polymerase

101.624-12u – without *Taq* polymerase

Lot No.: 77X

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:	77X
Expiry date:	2017-July-01
Number of tests:	12
Number of wells per test:	37+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*12 LOT (46V):

Well	5'-primer	3'-primer	rationale
38			Updated negative control.

THE NUMBER OF WELLS is unchanged.

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 kit²; www.ebi.ac.uk/imgt/hla, 2014-January-17¹, 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. 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

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>.



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²The 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.