

101.626-12 – including Taq polymerase

101.626-12u – without Taq polymerase

Lot No.: **20Y**

Olerup SSP® HLA-C*15

Product number: 101.626-12 – including Taq polymerase
 101.626-12u – without Taq polymerase

Lot number: 20Y

Expiry date: 2017-September-01

Number of tests: 12

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*15 LOT (23V):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the C*15:02:18 allele.
5	Added	-	5'-primer added for the C*15:92N allele.
12	-	Added	3'-primer added for the C*15:95 allele.
20	Added	Added	Primer pair added for the C*15:97, 3'-primer added for the C*15:95 allele.
21	Added	-	5'-primer added for the C*15:92N allele.
22	Added	Added	Primer pair added for the C*15:97 allele.
24	Added	-	5'-primer added for the C*15:105Q allele.
26	-	Added	3'-primer added for the C*15:103 allele.
27	Added	-	5'-primer added for the C*15:105Q allele.
28	-	Added	3'-primer added for the C*15:84Q allele.
29	Added	Added	Primer pair added for the C*15:96Q allele.
31	Added	Added	Updated negative control moved to well 32, primer pair added for the C*15:85 allele.
32	-	-	Updated negative control added from well 31.

THE NUMBER OF WELLS is increased from 31 to 32 wells.

ALLELE COVERAGE:

C*15:02 to C*15:106, i.e. all the currently recognized HLA-C*15 alleles, will be amplified by the primers in the HLA-C*15 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2015-January-19^{1,2}, release 3.19.0.

The HLA-C*15 kit enables separation of the confirmed HLA-C*15 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*15 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

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The following HLA-C*15 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*15:32Q, 15:41	24	C*15:35, 15:47	21
C*15:33, 15:84Q	28	C*15:44, 15:45	20
C*15:34, 15:39	17	C*15:81, 15:96Q	29

The HLA-C*15 subtyping kit cannot distinguish the following silent mutations: C*15:02:01:01 to C*15:02:20 alleles, the C*15:05:01 to C*15:05:11 alleles, the C*15:06:01 to C*15:06:03 alleles or the C*15:10:01 to C*15:10:03 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 HLA-C*15 primer set cannot separate the C*15:04 and the C*16:70 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or HLA-C*16 high resolution kit.

RESOLUTION IN HLA-C*15 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*15 SUBTYPINGS BY NON-HLA-C*15 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.