

101.626-12 – including Taq polymerase

101.626-12u – without Taq polymerase

Lot No.: 23V

Olerup SSP® HLA-C*15

Product number:	101.626-12 – including Taq polymerase 101.626-12u – without Taq polymerase
Lot number:	23V
Expiry date:	2016-July-01
Number of tests:	12
Number of wells per test:	30+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*15 LOT (05S):

Well	5'-primer	3'-primer	rationale
3	Exchanged	-	5'-primer exchanged for improved resolution of the C*15:02 and C*15:03 alleles.
18	Moved	Moved	Primer pair moved to well 28, for improved specificity.
21	Modified		5'-primer modified for increased yield of specific PCR product. Exchanged positive control primer pair
28	Added	Added	Primer pair added from well 18.
29	New	New	New primer pair for the C*15:81 allele.
30	New	New	New primer pair for the C*15:82 allele.
31			Negative Control

THE NUMBER OF WELLS is increased from 27 to 31 wells.

ALLELE COVERAGE:

C*15:02 to C*15:82, 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, 2013-October-11^{1,2}, release 3.14.0.

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

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

Alleles	Primer mix
C*15:32Q, 15:41	24
C*15:34, 15:39	17
C*15:35, 15:47	21
C*15:44, 15:45	20

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The HLA-C*15 subtyping kit cannot distinguish the following silent mutations: C*15:02:01 to C*15:02:17 and 15:02:19 alleles, the C*15:05:01 to C*15:05:09 alleles, the C*15:06:01 to C*15:06:03 alleles or the C*15:10:01 and C*15:10:03 alleles.

¹HLA-C alleles listed on the IMGT/HLA web page 2013-October-11, release 3.14.0, www.ebi.ac.uk/imgt/hla.

²Alleles 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>.

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.