

Olerup SSP® HLA-C*06

Product number:	101.614-12 – including <i>Taq</i> polymerase 101.614-12u – without <i>Taq</i> polymerase
Lot number:	5L6
Expiry date:	2024-09-01
Number of tests:	12
Number of wells per test:	62+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*06 LOT (4K6):

Well	5'-primer	3'-primer	rationale
5	Removed	-	Removed superfluous 5'-primer.
31	Moved	Moved	Primer pair moved to mix 62 for reducing tendency of primer oligomer formation.
52	Added	-	5'-primer added for the *06:91 allele.
53	Added	-	5'-primer added for the *06:91 allele.
61	Added	-	Negative control primer pair moved to mix 63. Primer pair added for the *06:115 allele.
62	Added	Added	Primer pair added from mix 31.
63	-	-	Negative control primer pair added from mix 61.

THE NUMBER OF WELLS is increased from 61 to 63 wells.

ALLELE COVERAGE:

C*06:01 to C*06:294, i.e. all the currently recognized HLA-C*06 alleles, will be amplified by the primers in the HLA-C*06 SSP kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2020-April-20, release 3.40.0.

The HLA-C*06 kit enables separation of the confirmed HLA-C*06 alleles as listed in the IMGT/HLA database 3.24.0. 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*06 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*06 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*06:07, 06:33	7	C*06:49N, 06:148	37
C*06:15, 06:116N	15	C*06:54, 06:133	40
C*06:16N, 06:21	16	C*06:57, 06:58	36
C*06:20, 06:74Q	34	C*06:66, 06:71	32
C*06:25, 06:36	21	C*06:70:01-06:70:02, 06:73	38
C*06:27, 06:29	20		

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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*06 primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or HLA-C*04 high resolution kit.

Alleles

C*06:76:02, C*04:360

C*06:127:01-06:127:02, 06:264, C*04:220

RESOLUTION IN HLA-C*06 HOMO- AND HETEROZYGOTES:

The C*06:02, 06:02 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-C*06 SUBTYPINGS BY NON-HLA-C*06 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.