

Olerup SSP® HLA-C*16

Product number: 101.627-12 – including *Taq* polymerase
 101.627-12u – without *Taq* polymerase

Lot number: 7E1

Expiry date: 2019-06-01

Number of tests: 12

Number of wells per test: 23+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*16 LOT (60Y):

Well	5'-primer	3'-primer	rationale
1	-	Modified	3'-primer modified for improved HLA-specific amplification.
8	-	Added	3'-primer added for the C*16:89N allele.
15	Added	-	5'-primer added for the C*16:04:03 allele.
16	Added	Added	Primer pair added for the C*16:90 allele.
17	Added	Added	Primer pair added for the C*16:97 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*16:01 to C*16:98 i.e. all the currently recognized HLA-C*16 alleles, will be amplified by the primers in the HLA-C*16 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2016-July-14, release 3.25.0.

The HLA-C*16 kit enables separation of the confirmed HLA-C*16 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*16 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*16 subtyping kit cannot distinguish the following silent mutations: the C*16:01:01:01-16:01:01:02, 16:01:03-16:01:15 and 16:01:17-16:01:22 alleles, the C*16:01:02 and 16:01:16 alleles, the C*16:02:01-16:02:13 alleles, the C*16:15:01-16:15:02 alleles or the C*16:39:01 and 16:39:02 alleles.

The following HLA-C*16 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*16:15:01-16:15:02, C*16:20	11	C*16:27, C*16:32	20
C*16:16Q, C*16:17	12	C*16:28, C*16:31, 16:50	19
C*16:24, C*16:58	22	C*16:30N, C*16:56	23

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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RESOLUTION IN HLA-C*16 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*16 SUBTYPINGS BY NON-HLA-C*16 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 1 a 3'-primer was modified for improved HLA-specific amplification.