

101.627-12 – including *Taq* polymerase

101.627-12u – without *Taq* polymerase

Lot No.: **90V**

## **Olerup SSP® HLA-C\*16**

**Product number:** 101.627-12 – including *Taq* polymerase  
101.627-12u – without *Taq* polymerase  
**Lot number:** 90V  
**Expiry date:** 2016-December-01  
**Number of tests:** 12  
**Number of wells per test:** 23+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-C\*16 LOT (68S):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
6	Added	-	5'-primer added for the C*16:39:02 allele.
7	Added	-	5'-primer added for the C*16:45 allele.
8	Added	Added	Primer pair added for the C*16:68 allele.
12	-	Added	3'-primer added for the C*16:67 allele.
14	Added	-	5'-primer added from well 21.
15	Added	Modified	5'-primer added for the C*16:39:02 allele. Modified 3'-primer for improved HLA-specific amplification.
19	-	Added	3'-primer added for the C*16:67 allele.
20	Added	-	5'-primer added from well 21.
21	Moved, added	Added	5'-primer moved to wells 14 and 20, primer pair added from well 24, primer pair added for the C*16:63 allele.
22	Added	Added	Primer pair added for the C*16:58 alleles.
24	Moved	Moved	Primer pair moved to well 21, Negative Control.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

C\*16:01 to C\*16:70 i.e. all the currently recognized HLA-C\*16 alleles, will be amplified by the primers in the HLA-C\*16 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-April-14, release 3.16.0.

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, 16:01:03-16:01:15 and 16:01:17-16:01:18 alleles, the C\*16:01:02 and

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16:01:16 alleles, the C\*16:02:01-16:02:12 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

<sup>1</sup> Alleles 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\*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:

No comments received.