

101.621-12 – including *Taq* polymerase

101.621-12u – without *Taq* polymerase

Lot No.: **37Y**

## **Olerup SSP® HLA-C\*01**

**Product number:** 101.621-12 – including *Taq* polymerase  
101.621-12u – without *Taq* polymerase  
**Lot number:** 37Y  
**Expiry date:** 2017-November-01  
**Number of tests:** 12  
**Number of wells per test:** 31+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-C\*01 LOT (40V):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
3	Moved	Moved	Primer pair moved to well 31 for decreased tendency of primer oligomer formation.
13	Added	Added	5'-primer added for the C*01:02:28, 3'-primer added for the C*01:02:34 allele.
15	-	Added	3'-primer added for the C*01:74 allele.
24	Added	Added	Updated negative control moved to well 32, primer pairs added for the C*01:66 and C*01:86N alleles.
25	New	New	New primer pairs added for the C*01:70 and C*01:99 alleles.
26	New	New	New primer pairs added for the C*01:74 and C*01:98N alleles.
27	New	New	New primer pair added for the C*01:85 allele.
28	New	New	New primer pair added for the C*01:81 allele.
29	New	New	New primer pair added for the C*01:89N allele.
30	New	New	New primer pair added for the C*01:93 allele.
31	Added	Added	Primer pair added from well 3.
32	-	-	Updated negative control added from well 24.

**THE NUMBER OF WELLS** is increased from 24 to 32 wells.

### **ALLELE COVERAGE:**

C\*01:02 to C\*01:107 i.e. all the currently recognized HLA-C\*01 alleles, will be amplified by the primers in the HLA-C\*01 SSP kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-January-19<sup>1</sup>, release 3.19.0.

The HLA-C\*01 primer set cannot distinguish the following silent mutations: the C\*01:02:01-01:02:31 and C\*01:02:33-01:02:35 or the C\*01:12:01-01:12:02 and C\*01:79:01-01:79:02 alleles.

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The following HLA-C\*01 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*01:06, 01:38	5	C*01:27, 01:45	19
C*01:10, 01:52	9	C*01:28, 01:56N	20
C*01:17, 01:41	14	C*01:29, 01:33	21
C*01:18, 01:42	15	C*01:31, 01:44, 01:107	23
C*01:19, C*01:43, 01:58	16	C*01:32, 01:40	22
C*01:25, 01:59	17	C*01:70, 01:99	25

<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>.

<sup>2</sup>The HLA-C\*01 primer set cannot separate the C\*01:02:32, 01:90-01:91 and 01:97 from B\*54:18 alleles. These alleles can be distinguished by the HLA-C low resolution kit.

#### **RESOLUTION IN HLA-C\*01 HOMO- AND HETEROZYGOTES:**

Good.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-C\*01 SUBTYPINGS BY NON-HLA-C\*01 ALLELES:**

None of importance.

#### **MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No comments received.