

## **Olerup SSP® HLA-C\*01**

**Product number:** 101.621-12 – including *Taq* polymerase  
101.621-12u – without *Taq* polymerase  
**Lot number:** 2E2  
**Expiry date:** 2019-05-01  
**Number of tests:** 12  
**Number of wells per test:** 31+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-C\*01 LOT (37Y):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
1	-	Added	3'-primer added for the C*01:90 allele.
3	-	Added	3'-primer added for the C*01:111N allele.
4	Moved	Moved	5'-primer moved to well 12, 3'-primers moved to wells 15 and 25 for decreased tendency of primer oligomer formation.
12	Added	-	5'-primer added from well 4 for the C*01:82 allele.
15	-	Added	3'-primer added from well 4 for the C*01:16 allele.
17	Modified, moved	Modified, moved	Primer pair modified and moved to wells 27 and 29 for improved HLA-specific amplification.
22	Moved	Moved	Primer pair for the C*01:49 allele moved to well 28.
23	-	Added	3'-primer added for the C*01:103 allele.
24	-	Added	3'-primer added for the C*01:103 allele.
25	-	Added	3'-primer added from well 4 for the C*01:16 allele.
26	-	Added	3'-primer added for the C*01:117N allele.
27	Modified, Added	Added	5'-primer modified for increased yield, primer pair added from well 17 for the C*01:59 and C*01:118 alleles.
28	Added	Added	Primer pair added from well 22 for the C*01:49 and C*01:50 alleles for improved HLA-specific amplification, 5'-primer added for the C*01:107 allele.
29	Added	Added	Primer pair added from well 17 for the C*01:59 and C*01:118 alleles, 3'-primer added for the C*01:109N allele.
30	-	Added	3'-primer added for the C*01:121Q allele.
31	-	Added	3'-primer added for the C*01:117N allele.

**THE NUMBER OF WELLS** is unchanged.

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**ALLELE COVERAGE:**

C\*01:02 to C\*01:124 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), 2016-July-14<sup>1</sup>, release 3.25.0.

The HLA-C\*01 primer set cannot distinguish the following silent mutations: the C\*01:02:01-01:02:40 alleles, the C\*01:07:01-01:07:02 alleles, the C\*01:12:01-01:12:02 and C\*01:79:01-01:79:02 alleles or the C\*01:32:01-01:32:02 alleles.

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*01:29, 01:33	21
C*01:10, 01:52	9	C*01:31, 01:44	23
C*01:17, 01:41	14	C*01:32:01-01:32:02, 01:40	22
C*01:18, 01:42	15	C*01:70, 01:99	25
C*01:19, 01:43, 01:58	16	C*01:89, 01:109N	29
C*01:27, 01:45	19	C*01:93, 01:121Q	30
C*01:28, 01:56N	20		

<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\*01:120 from the B\*54:18 allele. These alleles can be distinguished by the HLA-C low resolution kit.

The HLA-C\*01 primer set cannot separate the C\*01:123 from the C\*03:86, 03:94 and 03:99 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or by the HLA-C\*03 high 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.