

## Olerup SSP® HLA-C\*08

**Product number:** 101.623-12 – including *Taq* polymerase  
101.623-12u – without *Taq* polymerase  
**Lot number:** 1F2  
**Expiry date:** 2019-10-01  
**Number of tests:** 12  
**Number of wells per test:** 40+1

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*08 LOT (61Y):

Well	5'-primer	3'-primer	rationale
5	-	Added	3'-primer added for increased yield.
11	Added	-	5'-primer added for the C*08:128 allele.
26	Moved	Moved	Primer pairs moved to well 40 for decreased tendency of primer oligomer formation.
28	Moved	Moved	Primer pair moved to well 32 for improved allelic resolution.
29	Added	-	5'-primer added for the C*08:128 allele.
32	Added	Added	Negative Control moved to well 41, primer pair added from well 28 for improved allelic resolution.
33	New	New	New primer pair added for improved allelic resolution of the C*08:15:01-08:15:02 and 08:51 alleles.
34	New	New	New primer pair added for improved allelic resolution of the B*08:55N and 08:94 alleles.
35	New	New	New primer pair added for the C*08:72:02 allele.
36	New	New	New primer pair added for the C*08:121N allele.
37	New	New	New primer pair added for the C*08:127N and C*08:141Q alleles.
38	New	New	New primer pair added for the C*08:129N and C*08:141Q alleles.
39	New	New	New primer pair added for the C*08:130 allele.
40	Added	Added	Primer pair added from well 26 for decreased tendency of primer oligomer formation.
41	Added	Added	Negative Control added from well 32.

**THE NUMBER OF WELLS** is increased from 32 to 41 wells.

#### ALLELE COVERAGE:

C\*08:01 to C\*08:143, i.e. all the currently recognized HLA-C\*08 alleles, will be amplified by the primers in the HLA-C\*08 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-October-14, release 3.26.0.

The HLA-C\*08 kit enables separation of the confirmed HLA-C\*08 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.

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The HLA-C\*08 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\*08 primer set cannot distinguish the following silent mutations: the C\*08:01:01-08:01:06 and C\*08:01:08-08:01:19 alleles, the C\*08:02:01:01-08:02:05 and C\*08:02:08-08:02:14 alleles, the 08:03:01-08:03:04 alleles, the C\*08:04:01-08:04:03 alleles, the C\*08:08:01-08:08:02 alleles, the 08:15:01-08:15:02 alleles, the C\*08:16:01-08:16:02 alleles or the C\*08:72:01-08:72:02 alleles.

The following HLA-C\*08 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*08:20, 08:99	30	C*08:36N, 08:78	23
C*08:24, 08:88N	9	C*08:69, 08:70Q	23
C*08:30, 08:32	19		

<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\*08 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-C\*08 SUBTYPINGS BY NON-HLA-C\*08 ALLELES:**

None frequently occurring.

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

No comments received.