

## Olerup SSP<sup>®</sup> HLA-C\*02

**Product number:** 101.622-12 – including *Taq* polymerase  
101.622-12u – without *Taq* polymerase  
**Lot number:** 77N  
**Expiry date:** 2014-November-01  
**Number of tests:** 12  
**Number of wells per test:** 32

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*02 LOT (01M):

Well	5'-primer	3'-primer	rationale
13	-	Added	Improved yield of specific PCR product.
18	Added	-	Improved yield of specific PCR product.
19	Exchanged	Exchanged	Exchanged primer pair to decrease tendencies of primer oligomer formation.
25	Added	-	Improved yield of specific PCR product.
28	Added	Added	Added primer pair for the C*02:52N allele.
32	New	New	New primer pairs for the C*02:53 allele.

**THE NUMBER OF WELLS** has been increased from 31 to 32.

#### ALLELE COVERAGE:

C\*02:02 to C\*02:56, i.e. all the currently recognized HLA-C\*02 alleles, will be amplified by the primers in the HLA-C\*02 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012-April-12, release 3.8.0.

The HLA-C\*02 kit enables separation of the confirmed HLA-C\*02 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\*02 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

<sup>1</sup>The HLA-C\*02 primer set cannot distinguish the following silent mutations: the C\*02:02:01-02:02:03, 02:02:06-02:02:12 and 02:02:15-02:02:22 alleles, the \*02:02:05 and 02:02:14 alleles or the C\*02:26:01-02:26:03 alleles.

The C\*02:15 and 02:21 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 15.

The C\*02:25Q and 02:30 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 21.

The C\*02:37 and 02:52N alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 28.

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**RESOLUTION IN HLA-C\*02 HOMO- AND HETEROZYGOTES:**

The C\*02:02,02:02 and C\*02:02,02:10 genotypes give rise to identical amplification patterns.

**INFLUENCE ON THE INTERPRETATION OF HLA-C\*02 SUBTYPINGS BY NON-HLA-C\*02**

**ALLELES:**

None frequently occurring.

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

No comments received.