

## Olerup SSP<sup>®</sup> HLA-C\*12

**Product number:** 101.624-12 – including *Taq* polymerase  
101.624-12u – without *Taq* polymerase  
**Lot number:** 26S  
**Expiry date:** 2015-October-01  
**Number of tests:** 12  
**Number of wells per test:** 32

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*12 LOT (49N):

Well	5'-primer	3'-primer	rationale
8	-	Added	3'-primer added for the C*12:80N allele.
15	Moved	Moved	Primer pair moved to well 22 for improved specificity, exchanged positive control primer pair
22	Added	Added	Primer pair added from well 15.
25	Exchanged	-	5'-primer exchanged for the C*12:02:08 allele.
27	Added	Added	Primer pair added for the C*12:03:19 allele.
31	-	Added	3'-primers added for the C*12:80N and C*12:84N alleles.

**THE NUMBER OF WELLS** is unchanged.

#### ALLELE COVERAGE:

C\*12:02 to C\*12:94, i.e. all the currently recognized HLA-C\*12 alleles, will be amplified by the primers in the HLA-C\*12 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-January-11, release 3.11.0.

The HLA-C\*12 kit enables separation of the confirmed HLA-C\*12 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\*12 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\*12 subtyping kit cannot distinguish the following silent mutations: the C\*12:02:01-12:02:05, 12:02:07 and 12:02:09 alleles, the C\*12:02:06 and 12:02:08, the C\*12:03:01:01-12:03:01:02, 12:03:03, 12:03:05-12:03:07, 12:03:10-12:03:12, 12:03:14-12:03:15, 12:03:17-12:03:18, 12:03:21-12:03:23 and 12:03:25 alleles, the C\*12:03:02, 12:03:08, 12:03:16 and 12:03:20 alleles, the \*12:03:04 and 12:03:09 alleles or the \*12:10:01-12:10:02 alleles.

<sup>1</sup>The C\*12:06, 12:48 and 12:81 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 6.

The C\*12:29 and 12:38 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 29.

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The C\*12:30 and 12:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 27.

The C\*12:32 and 12:34 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

The C\*12:45 and 12:50 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 28.

The HLA-C\*12 primer set cannot separate the C\*12:09, C\*05:16 and C\*05:85 alleles, the C\*12:16 and C\*01:21 alleles, the C\*12:18:02 and C\*08:2 or the C\*12:33 and the C\*02:05 and C\*02:17 alleles. These alleles can be distinguished by the HLA-C low resolution kit and the HLA-C\*01, HLA-C\*02, HLA-C\*05 or HLA-C\*08 kit, respectively.

**RESOLUTION IN HLA-C\*12 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-C\*12 SUBTYPINGS BY NON-HLA-C\*12 ALLELES:**

None frequently occurring.

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

No comments received.