

## Olerup SSP® HLA-C\*05

**Product number:** 101.613-12 – including *Taq* polymerase  
101.613-12u – without *Taq* polymerase  
**Lot number:** 47N  
**Expiry date:** 2014-September-01  
**Number of tests:** 12  
**Number of wells per test:** 32

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*05 LOT (57K):

Well	5'-primer	3'-primer	rationale
8	-	Added	3'-primer added for the C*05:55 allele.
30	Added	Added	Primer pair added for the C*05:53 allele.
31	New	New	New primer pairs for the C*05:18:02 and 05:18:03 alleles.
32	New	New	New primer pairs for the C*05:48N and 05:51Q allele.

**THE NUMBER OF WELLS** has been increased from 30 to 32.

#### ALLELE COVERAGE:

C\*05:01 to C\*05:72, i.e. all the currently recognized HLA-C\*05 alleles, will be amplified by the primers in the HLA-C\*05 subtyping kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012-January-12, release 3.7.0.

The HLA-C\*05 kit enables separation of the confirmed HLA-C\*05 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\*05 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\*05 subtyping kit cannot distinguish the following silent mutations: the C\*05:01:01:01-05:01:18, the C\*05:09:01-05:09:02, the C\*05:18:02-05:18:03 and the C\*05:22:01-05:22:02 alleles.

The C\*05:06 and C\*05:55 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 8.

The C\*05:08 and C\*05:30 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 10.

The C\*05:10 and C\*05:38 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 12.

The C\*05:21 and C\*05:26 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

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The C\*05:24 and C\*05:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

The C\*05:25 and C\*05:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 11.

The C\*05:28 and C\*05:39 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 26.

The C\*05:35 and C\*05:40 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 25.

The C\*05:37 and C\*05:41 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 29.

<sup>1</sup>The C\*05:18:01 and C\*08:10 and the C\*05:29 and C\*08:25 alleles will give rise to identical amplification patterns with the HLA-C\*05 subtyping kit. These alleles can be distinguished by the HLA-C low resolution kit and/or the C\*08 subtyping kit.

**RESOLUTION IN HLA-C\*05 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-C\*05 SUBTYPINGS BY NON-HLA-C\*05 ALLELES:**

None frequently occurring.

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

No comments received.