

Lot No.: **07S**

## Olerup SSP<sup>®</sup> HLA-C\*06

**Product number:** 101.614-12 – including *Taq* polymerase  
101.614-12u – without *Taq* polymerase  
**Lot number:** 07S  
**Expiry date:** 2015-October-01  
**Number of tests:** 12  
**Number of wells per test:** 47

### CHANGES COMPARED TO THE PREVIOUS HLA-C\*06 LOT (76N):

Well	5'-primer	3'-primer	rationale
42	New	New	New primer pair for the C*06:53:01 and 06:53:02 alleles
43	New	New	New primer pair for the C*06:76:01 and 06:76:02 alleles
44	New	New	New primer pair for the C*06:77 allele.
45	New	New	New primer pair for the C*06:79N allele.
46	New	New	New primer pair for the C*06:81 allele.
47	New	New	New primer pair for the C*06:83 allele.

**THE NUMBER OF WELLS** has been increased from 41 to 47.

#### ALLELE COVERAGE:

C\*06:01 to C\*06:96, i.e. all the currently recognized HLA-C\*06 alleles, will be amplified by the primers in the HLA-C\*06 SSP kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-January-11, release 3.11.0.

The HLA-C\*06 kit enables separation of the confirmed HLA-C\*06 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\*06 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\*06 primer set cannot distinguish the silent mutations in the C\*06:02:01:01-06:02:01:02, C\*06:02:03-06:02:25, C\*06:03:01-06:03:02 and C\*06:53:01-06:53:02 alleles.

The C\*06:07 and C\*06:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 7.

The C\*06:16N and C\*06:21 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.

The C\*06:24 and C\*06:37 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

The C\*06:25 and C\*06:36 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.

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The C\*06:27 and C\*06:29 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

The C\*06:46N and C\*06:65 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

The C\*06:57 and C\*06:58 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

The C\*06:60 and C\*06:69 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 33.

The C\*06:70 and C\*06:73 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 38.

<sup>1</sup>HLA-C alleles listed on the IMGT/HLA web page 2013-January-11, release 3.11.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

<sup>2</sup>The HLA-C\*06 primer set cannot separate the C\*06:72 and the C\*03:39 and 12:16 or the C\*06:76:02 and 12:03:01:01-12:03:08, 12:03:10-12:04:02, 12:06-12:07, 12:12-12:13, 12:15, 12:23, 12:25-12:26, 12:28-12:29, 12:34-12:35, 12:37-12:39N, 12:42Q-12:43, 12:45-12:48, 12:51-12:52, 12:54-12:55, 12:57-12:63, 12:65-12:66, 12:70, 12:75-12:79, 12:81-12:82 and 12:87-12:94 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C\*03 and HLA-C\*12 high resolution kit, respectively.

#### **RESOLUTION IN HLA-C\*06 HOMO- AND HETEROZYGOTES:**

The C\*06:02, 06:02 genotype gives rise to a unique amplification pattern.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-C\*06 SUBTYPINGS BY NON-HLA-C\*06 ALLELES:**

None frequently occurring.

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

No comments received.