HLA-C*14   **Release Note**   **Page 1 of 2**
101.625-06 – including *Taq* polymerase
101.625-06u – without *Taq* polymerase
Lot No.: 0D2

Olerup SSP® HLA-C*14

Product number:	**101.625-06 – including *Taq* polymerase**
	101.625-06u – without *Taq* polymerase
Lot number:	**0D2**
Expiry date:	**2018-April-01**
Number of tests:	**6**
Number of wells per test:	**30+1**

CHANGES COMPARED TO THE PREVIOUS HLA-C*14 LOT (19X):

Well	5'-primer	3'-primer	rationale
18	-	-	Exchanged positive control primer pair for improved HLA-specific amplification.
29	Added	Added	Updated negative control moved to well 31, primer pair added for the C*14:28:02 allele.
30	New	New	New primer pair added for the C*14:66 allele.
31	-	-	Updated negative control added from well 29.

THE NUMBER OF WELLS is increased from 29 to 31 wells.

ALLELE COVERAGE:
C*14:02 to C*14:71, i.e. all the currently recognized HLA-C*14 alleles, will be amplified by the primers in the HLA-C*14 kit[1,2]; www.ebi.ac.uk/imgt/hla, 2015-August-11, release 3.21.1.

The HLA-C*14 kit enables separation of the confirmed HLA-C*14 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*14 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 following HLA-C*14 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
C*14:18, 14:29	19
C*14:24:01-14:24:02, 14:31	22
C*14:44, 14:55	25

The HLA-C*14 subtyping kit cannot distinguish the following silent mutations: the C*14:02:01 and 14:02:04-14:02:19 alleles or the C*14:24:01-14:24:02 alleles.

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101.625-06 – including *Taq* **polymerase**
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LOT NO.: 0D2

[1]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.
[2]The HLA-C*14 primer set cannot separate the C*14:58 from the C*01:97 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or the HLA-C*07 high resolution kit.

RESOLUTION IN HLA-C*14 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*14 SUBTYPINGS BY NON-HLA-C*14 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.