101.626-12 – including Taq polymerase
101.626-12u – without *Taq* polymerase
Lot No.: 1D5

Olerup SSP® HLA-C*15

Product number:	**101.626-12 – including *Taq* polymerase**
	101.626-12u – without *Taq* polymerase
Lot number:	**1D5**
Expiry date:	**2018-June-01**
Number of tests:	**12**
Number of wells per test:	**37+1**

CHANGES COMPARED TO THE PREVIOUS HLA-C*15 LOT (20Y):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the C*15:02:22 allele.
18	Exchanged	-	5'-primer exchanged for decreased tendency of primer oligomer formation.
27	Modified	-	5'-primer modified for improved HLA-specific amplification.
32	Added	Added	Negative Control moved to well 38, primer pair added for the C*15:74 allele.
33	New	New	New primer pair added for the allelic resolution of the C*15:85 allele.
34	New	New	New primer pair added for the C*15:114 allele.
35	New	New	New primer pair added for the C*15:115N allele.
36	New	New	New primer pair added for the C*15:102 allele.
37	New	New	New primer pair added for the C*15:101 allele.
38	-	-	Negative Control added from well 32.

THE NUMBER OF WELLS is increased from 32 to 38 wells.

ALLELE COVERAGE:
C*15:02 to C*15:117, i.e. all the currently recognized HLA-C*15 alleles, will be amplified by the primers in the HLA-C*15 SSP kit [1]; www.ebi.ac.uk/imgt/hla, 2015-October-10[1,2] , release 3.22.0.

The HLA-C*15 kit enables separation of the confirmed HLA-C*15 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*15 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

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The following HLA-C*15 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*15:32Q, 15:41	24	C*15:44, 15:45	20
C*15:33, 15:84Q	28	C*15:46, 15:111	19
C*15:34, 15:39	17	C*15:81, 15:96Q	29
C*15:35, 15:47	21		

The HLA-C*15 subtyping kit cannot distinguish the following silent mutations: C*15:02:01:01 to C*15:02:24 alleles, the C*15:04:01-15:04:02 alleles, the C*15:05:01 to C*15:05:10 alleles, the C*15:06:01 to C*15:06:03 alleles or the C*15:10:01 to C*15:10:03 alleles.

[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*15 primer set cannot separate the C*15:04:01-15:04:02 and the C*16:70 alleles. These alleles can be distinguished by the HLA-C low resolution kit and/or HLA-C*16 high resolution kit.

RESOLUTION IN HLA-C*15 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-C*15 SUBTYPINGS BY NON-HLA-C*15 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
In primer mix 27, the 5'-primer was modified for improved HLA-specific amplification.