Olerup SSP® HLA-C*04

Product number:	**101.612-12 – including *Taq* polymerase** **101.612-12u – without *Taq* polymerase**
Lot number:	**12M**
Expiry date:	**2013-November-01**
Number of tests:	**12**
Number of wells per test:	**47**

CHANGES COMPARED TO THE PREVIOUS HLA-C*04 LOT (06H):

Well	5'-primer	3'-primer	rationale
14	Modified	Modified	Improved yield and specificity of HLA-specific primer pairs.
17	Modified	-	Improved yield of HLA-specific primer pairs.
18	Added	Added	Primer pair added for the C*04:70 allele.
28	Added	Added	Primer pair added for the C*04:75 allele.
32	New	New	New primer pairs for the C*04:59Q, C*04:77 and C*04:78 alleles.
33	New	New	New primer pairs for the C*04:58, C*04:65 and C*04:72 alleles.
34	New	New	New primer pair for the C*04:61 allele.
35	New	New	New primer pairs for the C*04:62 and C*04:76 alleles.
36	New	New	New primer pairs for the C*04:57 and C*04:63 alleles.
37	New	New	New primer pairs for the C*04:63, C*04:73 and C*04:74 alleles.
38	New	New	New primer pairs for the C*04:74 and C*04:83 allele.
39	New	New	New primer pairs for the C*04:71 and C*04:79 alleles.
40	New	New	New primer pairs for the C*04:56 and C*04:64 alleles.
41	New	New	New primer pair for the C*04:54 allele.
42	New	New	New primer pairs for the C*04:69 and C*04:82 alleles.
43	New	New	New primer pair for the C*04:81 allele.
44	New	New	New primer pair for the C*04:60 allele.
45	New	New	New primer pair for the C*04:66 allele.
46	New	New	New primer pair for the C*04:67 allele.
47	New	New	New primer pair for the C*04:84 allele.

THE NUMBER OF WELLS is increased from 31 to 47.

ALLELE COVERAGE:

C*04:01 to C*04:84, i.e. all the currently recognized HLA-C*04 alleles, give rise to unique amplification patterns[1]; www.ebi.ac.uk/imgt/hla, 2011-January-14, release 3.3.0.

[1]The C*04:15:02, C*04:44 and C*04:47alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.
The C*04:23, C*04:38 and C*04:39 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.
The C*04:25, C*04:40 and C*04:41 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.
The C*04:46 and C*04:50 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 27.
The C*04:48 and C*04:75 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 28.
The C*04:56 and C*04:64 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 40.
The C*04:59Q and C*04:78 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 32.
The C*04:62 and C*04:76 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 35.
The C*04:65 and C*04:72 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 33.
The C*04:69 and C*04:82 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 42.

RESOLUTION IN HLA-C*04 HOMO- AND HETEROZYGOTES:

The C*04:01,04:01 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-C*04 SUBTYPINGS BY NON-HLA-C*04 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.