

Olerup SSP® HLA-C*05

Product number: 101.613-12 – including *Taq* polymerase
101.613-12u – without *Taq* polymerase
Lot number: 0M4
Expiry date: 2025-05-01
Number of tests: 12
Number of wells per test: 40+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*05 LOT (3K0):

Well	5'-primer	3'-primer	rationale
1	Removed	-	Superfluous 5'-primer removed.
3	-	Modified	3'-primer modified for improved yield.
4	-	Removed	3'-primer removed, exchanged primer pair moved to primer mix 38.
7	Removed	-	Superfluous 5'-primer removed.
8	-	Moved	3'-primer moved to primer mix 40 for reducing tendency of primer oligomer formation.
18	Modified	-	5'-primer modified for improving HLA-specific amplification.
30	-	Removed	3'-primer removed, exchanged primer pair moved to primer mix 38.
32	Added	-	5'-primer added for improved yield.
38	Added	Added	Primer pair added for the C*05:108 allele. Negative control primer pair moved to primer mix 41.
39	Added	Added	Primer pair added for the C*05:16 and C*05:47 alleles.
40	Added	Added	Primer pair added from primer mix 8.
41	Added	Added	Negative control primer pair added from primer mix 38.

3 wells were added to the HLA-C*05 primer set, wells 39-41.

ALLELE COVERAGE:

C*05:01 to C*05:246, i.e. all the currently recognized HLA-C*05 alleles, will be amplified by the primers in the HLA-C*05 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2021-January-18, release 3.43.0.

The HLA-C*05 kit enables separation of the confirmed HLA-C*05 alleles as listed in the IMGT/HLA database 3.24.0. 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 many null and alternatively expressed alleles.



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The following HLA-C*05 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
C*05:03, 05:07N	4	C*05:25, 05:33	11
C*05:08, 05:30, 05:89	10	C*05:28, 05:39	26
C*05:14, 05:93	16	C*05:32, 05:53	30
C*05:15, 05:91N	14	C*05:35, 05:40	25
C*05:21, 05:26	20	C*05:37, 05:41	29
C*05:24, 05:36	23		

¹Alleles 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>.

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:

Primer pair for the C*05:108 allele added to primer mix 38.

