

101.613-12 – including *Taq* polymerase

101.613-12u – without *Taq* polymerase

Lot No.: **24V**

Olerup SSP® HLA-C*05

Product number: 101.613-12 – including *Taq* polymerase
 101.613-12u – without *Taq* polymerase

Lot number: 24V

Expiry date: 2016-July-01

Number of tests: 12

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*05 LOT (61R):

Well	5'-primer	3'-primer	rationale
4	Added	Added	Primer pair added from well 9.
9	Moved, added	Moved, added	Primer pair moved to well 4, primer pair added from well 32
10	Exchanged	Added	5'-primer exchanged for improved specificity, 3'-primer added for the C*05:92N allele.
12	Added	-	Exchanged positive control primer pair, 3'-primer added for the C*05:97 allele.
14	-	Added	3'-primer added for the C*05:91N allele.
16	Added	Added	Primer pair added for the C*05:93 allele.
18	Added	-	5'-primer added for the C*05:87 allele.
20	Exchanged	-	5'-primer exchanged for improved specificity.
21	Added	-	5'-primer added for improved resolution the C*05:10 and *05:38 alleles.
32	Moved	Moved	Primer pair moved to well 9, Negative Control

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*05:01 to C*05:97, 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, 2013-October-11, release 3.14.0^{2,3}.

The HLA-C*05 kit enables separation of the confirmed HLA-C*05 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*05 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*05 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

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Alleles	Primer mix	Alleles	Primer mix
C*05:03, 05:07N	4	C*05:24, 05:36	23
C*05:06, 05:55	8	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

The HLA-C*05 subtyping kit cannot distinguish the following silent mutations: the C*05:01:01:01-05:01:27, the C*05:04:01-05:04:02, C*05:09:01-05:09:02, the C*05:18:02-05:18:03, the C*05:22:01-05:22:02, the C*05:29:01-05:29:02 and the C*05:44:01-05:44:02 alleles.

¹HLA-C alleles listed on the IMGT/HLA web page 2013-October-11, release 3.14.0, www.ebi.ac.uk/imgt/hla.

²Alleles 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>.

³The C*05:18:01 and C*08:10 alleles, the C*05:29:01-05:29:02 and C*08:25 and 08:94 alleles and the C*05:92N and C*08:55N alleles will give rise to identical amplification patterns with the HLA-C*05 subtyping kit. These alleles can be distinguished by the HLA-C low resolution kit and/or the C*08 subtyping kit.

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:

No comments received.