

101.613-12 – including *Taq* polymerase

101.613-12u – without *Taq* polymerase

Lot No.: **02Y**

Olerup SSP® HLA-C*05

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

Lot number: 02Y

Expiry date: 2017-October-01

Number of tests: 12

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-C*05 LOT (24V):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the C*05:01:28 allele.
4	-	Added	3'-primer added for the C*05:108 allele.
6	Added	-	5'-primer added for the C*05:99 allele.
9	Added	-	5'-primer added for the C*05:113N allele.
14	-	Added	3'-primer added for the C*05:80 allele.
15	-	Added	3'-primer added for the C*05:65 allele.
18	Added	-	5'-primer added for the C*05:99N allele.
25	-	Added	3'-primer added for the C*05:80 allele.
26	Added	-	5'-primer added for the C*05:113N allele.
28	-	Added	3'-primer added for the C*05:65 allele.
30	-	Added	3'-primer added for the C*05:108 allele.
32	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*05:01 to C*05:114, i.e. all the currently recognized HLA-C*05 alleles, will be amplified by the primers in the HLA-C*05 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2015-January-19, release 3.19.0.

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.

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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*05:24, 05:36	23
C*05:06, 05:55	8	C*05:25, 05:33	11
C*05:08, 05:30	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*05:01:01:01-05:01:31, the C*05:04:01-05:04:02, the C*05:09:01-05:09:03, 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.

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>.

²The C*05:18:01 and C*08:10 alleles, the C*05:29:01-05:29:02 and C*08:25 and C*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.