

Olerup SSP[®] HLA-C*04

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|---------------------------|---|
| Product number: | 101.612-12 – including <i>Taq</i> polymerase 101.612-12u – without <i>Taq</i> polymerase |
| Lot number: | 6L9 |
| Expiry date: | 2024-11-01 |
| Number of tests: | 12 |
| Number of wells per test: | 63+1 |

CHANGES COMPARED TO THE PREVIOUS HLA-C*04 LOT (1L9):

| Well | 5'-primer | 3'-primer | rationale |
|------|-----------|-----------|---|
| 35 | - | - | Exchanged positive control primer pair for decreased tendency of primer oligomer formation. |

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*04:01 to C*04:424, i.e. all the currently recognized HLA-C*04 alleles, will be amplified by the primers in the HLA-C*04 kit¹; www.ebi.ac.uk/imgt/hla, 2020-July-13, release 3.41.0.

The HLA-C*04 kit enables separation of the confirmed HLA-C*04 alleles as listed in the IMGT/HLA database 3.26.0. 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*04 kit also enables identification of many null and alternatively expressed alleles.

The following HLA-C*04 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

| Alleles | Primer mix | Alleles | Primer mix |
|---|------------|--------------------------------------|------------|
| C*04:05, 04:112 | 6 | C*04:62, 04:76 | 35 |
| C*04:20, 04:238 | 19 | C*04:65:01:01- 04:65:01:02, 04:72 | 33 |
| C*04:23, 04:38, 04:39 | 21 | C*04:67, 04:93N, 04:187 | 46 |
| C*04:25, 04:41 | 23 | C*04:70, 04:410N | 18 |
| C*04:44, 04:47 | 20 | C*04:79, 04:113 | 39 |
| C*04:46, 04:50 | 27 | C*04:81, 04:88N | 43 |
| C*04:54:01, 04:105N, 04:313:01:01-04:313:01:02 | 41 | C*04:114, 04:146 | 47 |
| C*04:56, 04:64:01-04:64:02 | 40 | C*04:139, 04:226 | 22, 31 |
| C*04:59Q, 04:78 | 32 | C*04:150, 04:155 | 52 |
| C*04:61, 04:96 | 34 | | |

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>.

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

Good.

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.