

HLA-C High Resolution for frequent alleles

101.707-12 – including *Taq* polymerase

101.707-12 – without *Taq* polymerase

Lot No.: 9K7

Olerup SSP® HLA-C high resolution for frequent alleles

Product number: 101.707-12 – including *Taq* polymerase
101.707-12u – without *Taq* polymerase

Lot number: 9K7

Expiry date: 2024-06-01

Number of tests: 12

Number of wells per test: 95 + 1

Changes compared to the previous HLA-C High Lot (6H8):

Well	5'-primer	3'-primer	rationale
2	-	-	Positive control primer pair exchanged for improving HLA-specific amplification.
6	-	Modified	Primer pair exchanged and 3'-primer modified for improving HLA-specific amplification and reducing tendency of primer oligomer formation.
12	Modified	-	5'-primer modified for improving HLA-specific amplification.
33	Moved	Exchanged	5'-primer moved to primer mix 57 and 3'-primer exchanged for improving HLA-specific amplification.
36	Moved	-	5'-primer moved to primer mix 80 for reducing tendency of primer oligomer formation.
53	-	-	Positive control primer pair exchanged for reducing tendency of primer oligomer formation.
56	Modified	-	5'-primer modified for improving HLA-specific amplification.
57	Added	-	5'-primer added from primer mix 33.
61	Modified	-	5'-primer modified for improving HLA-specific amplification.
64	-	-	3'-primer optimized for improved yield of HLA-specific product.
80	Added	-	5'-primer added from primer mix 36.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*01:02 to C*18:14, i.e. all the currently recognized HLA-C alleles, will be amplified by the primers in the HLA-C high resolution for frequent alleles subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2020-January-20, release 3.39.0.



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

Alleles	Primer mix	Alleles	Primer mix
C*01:06, 01:11	3	C*06:08, 06:13	43
C*01:15:01, 01:20, 01:60	6	C*06:89, 06:161	73
C*01:113, 01:140	73	C*07:02:75, 07:679	8
C*02:51, 02:57	31	C*07:22, 07:35, 07:404	56
C*03:09, 03:23, 03:80:02, 03:287:01-03:287:02	18	C*07:25, 07:137:01, 07:138, 07:352	56
C*03:21-03:22Q, 03:116:01, 03:413	18	C*07:33N, 07:51	55
C*03:34, 03:44	80	C*07:37, 07:54, 07:755	2
C*03:37:01-03:37:02, 03:46	11	C*07:47, 07:48	91
C*04:08, 04:09N	27	C*07:60, 07:109:01-07:109:02	17
C*04:16, 04:256	11	C*07:66, 07:665	90
C*04:23, 04:31, 04:277	88	C*07:130, 07:611	31
C*04:40, 04:223:02	31	C*07:140-07:141:02, 07:304, 07:512, 07:514, 07:671	5
C*05:06, 05:15	36	C*12:06,12:81	65
C*05:10, 05:55	21	C*12:07 ,12:46N	16
C*05:14, 05:16, 05:19	37	C*16:33, 16:109	73

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>.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.

Changes in revision R01 compared to R00:

1. Primer mixes 78 and 83 do not amplify the C*06:16N allele. This correction has been implemented in the specificity and interpretation tables.

