

HLA-C High Resolution for frequent alleles

101.707-12 – including *Taq* polymerase

101.707-12u – without *Taq* polymerase

Lot No.: 9N4

Olerup SSP[®] HLA-C high resolution for frequent alleles

Product number:	101.707-12 – including <i>Taq</i> polymerase 101.707-12u – without <i>Taq</i> polymerase
Lot number:	9N4
Expiry date:	2026-09-01
Number of tests:	12
Number of wells per test:	95 + 1

CHANGES COMPARED TO THE PREVIOUS HLA-C HIGH RESOLUTION LOT (1N9):

Well	5'-primer	3'-primer	rationale
61	-	Added	3'-primers added for improved HLA-specific amplification.
78	Added	-	5'-primer added for the *06:16N allele.
83	Added	-	5'-primer added for the *06:16N allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

C*01:02 to C*18:16, 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, 2022-July-12, release 3.49.0².

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*06:15, 06:16N	78, 83
C*01:113, 01:140	73	C*06:89, 06:161	73
C*02:51, 02:57	31	C*07:02:75, 07:679	8
C*03:09, 03:23N, 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, 07:936N	55
C*03:34, 03:44	80	C*07:37:01:02, 07:54, 07:755	2
C*03:37:01-03:37:02, 03:46	11	C*07:47:01, 07:48	91
C*03:386, 03:494	80	C*07:60, 07:109:01-07:109:02	17
C*04:08, 04:09N	27	C*07:66, 07:665	90
C*04:16, 04:256	11	C*07:130, 07:611	31
C*04:23, 04:31, 04:277	88	C*07:140:01-07:141:02, 07:304, 07:512, 07:514:01-07:514:02, 07:671	5
C*04:40, 04:223:02	31	C*12:06,12:81	65
C*05:06, 05:15	36	C*12:07,12:46N	16
C*05:10, 05:55	21	C*16:33, 16:109	73
C*05:14, 05:16, 05:19, 05:261	37		

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 HLA-C high resolution for frequent alleles primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-C low resolution kit, or by the respective high resolution primer sets:



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Alleles

C*06:02:01:01-06:02:01:92, 06:02:03-06:02:07, 06:02:09-06:02:11, 06:02:13-06:02:15, 06:02:17-06:02:22, 06:02:24-06:02:37, 06:02:39-06:02:42, 06:02:44-06:02:64, 06:02:66-06:02:67, 06:02:69-06:02:71, 06:02:73-06:02:86, 06:02:88-06:02:90, 06:02:92-06:02:102, 06:18-06:22, 06:24-06:26, 06:29, 06:32-06:33, 06:36-06:37, 06:39, 06:41-06:42:02, 06:43:02, 06:45-06:51, 06:54-06:60, 06:62-06:64, 06:66, 06:68, 06:71, 06:73-06:75, 06:78, 06:80, 06:83-06:88, 06:90-06:92, 06:94-06:100, 06:102:01-06:102:02, 06:104-06:106:02, 06:108-06:117, 06:119-06:121, 06:125-06:126, 06:128N, 06:130-06:131, 06:133-06:135, 06:137, 06:139-06:142, 06:145-06:146, 06:148-06:152N, 06:154-06:160, 06:162-06:167, 06:169-06:178, 06:181-06:182, 06:184-06:187, 06:189-06:196, 06:199-06:202, 06:205-06:209:02, 06:211:01:01N-06:213, 06:215N-06:216, 06:218-06:223, 06:225-06:234, 06:238, 06:240-06:243, 06:245-06:246, 06:249-06:251, 06:253-06:263N, 06:267N-06:270, 06:272-06:279, 06:281N-06:289, 06:291-06:292, 06:294-06:302, 06:307-06:310, 06:312-06:316N, 06:318-06:328, 06:330-06:334, 06:336Q-06:349, 06:351:01:01-06:355, C*16:199N

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

5'-primers have been added to primer mixes 78 and 83, for improved yield of the C*06:16N allele.

