Lot No.: **7L6**

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot-specific information Olerup SSP[®] HLA-B*07 Add-on

| Product number: | 101.852-12 – including <i>Taq</i> polymerase 101.852-12u – without <i>Taq</i> polymerase |
|--|---|
| Lot number: | 7L6 |
| Expiry date: | 2024-11-01 |
| Number of tests: | 12 |
| Number of wells per test: | 6+1 |
| Storage - pre-aliquoted primers: | dark at -20°C |
| - PCR Master Mix: | -20°C |
| Adhesive PCR seals | RT |
| - Product Insert | RT |

This Product Description is only valid for Lot No. 7L6

Complete product documentation consists of generic Instructions for Use (IFU), lot specific Product Insert, Worksheet and Certificate.

CHANGES COMPARED TO THE PREVIOUS OLERUP SSP® HLA-B*07 ADD-ON LOT (8G4)

The HLA-B*07 Add-on specificity and interpretation tables have been updated for the HLA-B alleles described since the previous *Olerup* SSP[®] HLA-B*07 Add-on lot was made (Lot No. 8G4). The kit design is based on IMGT/HLA database 3.41.0.

The HLA-B*07 Add-on primer set is unchanged compared to the previous *Olerup* SSP[®] HLA-B*07 Add-on (Lot No. 8G4).

Product Insert

101.852-12 – including *Taq* polymerase, IFU-01 101.852-12u – without *Taq* polymerase, IFU-02 Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information

Well **7** contains <u>Negative Control primer pairs</u>, that will amplify the majority of the *Olerup* SSP[®] HLA Class I, DRB, DQB1, DPB1 and DQA1 amplicons as well as all the amplicons generated by the control primer pairs matching the human growth hormone gene.

HLA-specific PCR product sizes range from 75 to 200 base pairs. The PCR product generated by the positive control primer pair is 200 base pairs.

| Length of PCR | 105 | 200 | 105 | 80 | 75 | 80 | 85 |
|------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| product | | | | | | | |
| 5'-primer ¹ | 164 | 340 | 440 | 45 | 45 | 43 | 36 |
| | 5'-CAC3' | ^{5'} -Agg ^{3'} | ^{5'} -TTA3' | ^{5'} -Tgg ^{3'} | ^{5'} -Tgg ^{3'} | ^{5'} -Tgg ^{3'} | ^{5'} -TAC ^{3'} |
| | | | | | | | 36 |
| | | | | | | | ^{5'} -TAT ^{3'} |
| 3'-primer ² | 231 | 2 nd | 507 | 59 | 58 | 57 | 47 |
| | ^{5'} -TgC ^{3'} | ^{5'} -AAA ^{3'} | ^{5′} -TTg ^{3′} | ^{5'} -CTC ^{3'} | ^{5'} -ggC ^{3'} | ^{5′} -CTC ^{3′} | ^{5'} -ACA ^{3'} |
| | | | | | | | 48 |
| | | | | | | | ^{5'} -gCA ^{3'} |
| | | | | | | | 48 |
| | | | | | | | 5'-gCC ^{3'} |
| | | | | | | | 52 |
| A* | + | + | + | | | | ^{5'} -TgT ^{3'} |
| B* | + | + | + | | | | |
| C* | + | ÷ | ÷ | | | | |
| DRB1 | | | | + | + | | |
| DRB3 | | | | ÷ | + | | |
| DRB5 | | | | + | | | |
| DQB1 | | | | | + | | |
| DPB1 | | | | | | + | |
| DQA1 | | | | | | | + |

¹The nucleotide position for HLA class I genes and the codon for HLA class II genes, in the 2nd or 3rd exon, matching the specificity-determining 3'-end of the primer is given. Nucleotide and codon numbering as on the <u>www.ebi.ac.uk/imgt/hla</u> web site. The sequence of the 3 terminal nucleotides of the primer is given.

²The nucleotide position for HLA class I genes and the codon for HLA class II genes, in the 2nd or 3rd exon or the 2nd intron, matching the specificitydetermining 3'-end of the primer is given in the anti-sense direction. Nucleotide and codon numbering as on the <u>www.ebi.ac.uk/imgt/hla</u> web site. The sequence of the 3 terminal nucleotides of the primer is given.

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information PRODUCT DESCRIPTION

HLA-B*07 Add-on SSP subtyping

CONTENT

The primer set contains 5'- and 3'-primers to separate the HLA-B*07:61 and B*07:161N from the B*07:02 alleles and the HLA-B*07:06 from the B*07:05 alleles.

PLATE LAYOUT

Each test consists of 7 PCR reactions in an 8 well cut PCR plate. Well 8 is empty.

1 2 3 4 5 6 NC empty

The 8 well cut PCR plate is marked with '7L6' in silver/gray ink.

Well No. 1 is marked with the Lot Number '7L6'.

Wells 1 to 6 – HLA-B*07 Add-on high resolution primers.

Well 7 – Negative Control (NC).

A faint row of numbers is seen between wells 1 and 2 or wells 7 and 8 of the PCR trays. These stem from the manufacture of the trays and should be disregarded. The PCR plates are covered with a PCR-compatible foil.

Please note: When removing each 8 well PCR plate, make sure that the remaining plates stay covered. Use a scalpel or a similar instrument to carefully cut the foil between the plates.

INTERPRETATION

Due to the sharing of sequence motifs between HLA-B alleles, non-HLA-B*07 alleles will be amplified by some primer mixes. For further details see Specificity Table.

UNIQUELY IDENTIFIED ALLELES

The HLA-B*07:02, 07:05, 07:06, 07:61 and 07:161N alleles give different patterns in the B*07 Add-on subtyping kit^{1,2}.

¹Based on HLA-B alleles listed on the IMGT/HLA web page 2020-July-13, release 3.41.0, <u>www.ebi.ac.uk/imgt/hla</u>.

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.

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information SPECIFICITY TABLE

HLA-B*07 Add-on SSP subtyping

Specificities and sizes of the PCR products of the 6+1 primer mixes used for HLA-B*07 Add-on SSP subtyping

| Primer Mix | Size of spec. PCR product ¹ | Size of control band ² | Amplified HLA-B*07 alleles ³ | Other amplified HLA Class I alleles |
|----------------|---|---|--|--|
| 14 | 105 bp | 800 bp | *07:02:01:01-07:02:25, 07:02:27-07:03, 07:05:01:01- 07:18:02, 07:20-07:24, 07:27- 07:32, 07:35-07:39, 07:41- 07:42, 07:44N-07:47, 07:49N- 07:52, 07:54, 07:56:01-07:59, 07:61-07:65, 07:67N-07:79, 07:81-07:99, 07:101-07:121, 07:123-07:130, 07:132-07:138, 07:140-07:145, 07:148-07:163, 07:166-07:208, 07:210-07:222, 07:224-07:225, 07:227-07:234, 07:236-07:250, 07:252-07:342, 07:344-07:348, 07:350-07:358, 07:360Q, 07:362, 07:364- 07:385, 07:387, 07:389-07:406 | *08:79, 08:156, 35:66, 37:07, 40:15-40:16:01:02, 40:23, 40:32, 40:98, 40:128, 40:198, 44:150, 48:05, 48:08, C*04:77 |
| 2 ⁵ | 355 bp | 1070 bp | *07:05:01:01-07:05:10, 07:69, 07:225, 07:264, 07:333, 07:352- 07:353, 07:355-07:357, 07:368, 07:378, 07:387, 07:399 | *35:01:65, 35:46, 37:07, 48:05, 51:01:84, 81:10, C*03:04:36 |
| 3 | ix PCR control product ¹ band ² 105 bp 800 bp | 1070 bp | 07:378, 07:387, 07:399 *07:02:01:01-07:02:05, 07:02:07-07:04:02, 07:06:01:01- 07:68:03, 07:70-07:99, 07:101- 07:224, 07:226-07:263, 07:265- 07:332, 07:334-07:351N, 07:354, 07:358, 07:360Q- 07:367, 07:369-07:377, 07:379- 07:386N, 07:388-07:398, 07:400-07:407 | *08:79, 27:36, 27:125, 37:07, 40:01:01-40:01:36, 40:01:38- 40:01:63, 40:01:65-40:01:70, 40:06:16 [?] , 40:07, 40:10:01:01- 40:10:02, 40:12:01-40:12:02, 40:14:01-40:14:03, 40:15 [?] , 40:16:01:01-40:16:01:02, 40:18 [?] , 40:21 [?] , 40:22N-40:23, 40:24 [?] - 40:25 [?] , 40:27:02 [?] , 40:28 [?] , 40:30- 40:32, 40:33 [?] -40:36 [?] , 40:38 [?] , 40:42- 40:43, 40:44 [?] -40:47 [?] , 40:48-40:49, 40:51-40:52, 40:54-40:55, 40:59 [?] - 40:60 [?] , 40:61, 40:62 [?] , 40:63, 40:65 [?] , 40:66-40:67, 40:69 [?] - 40:70:01 [?] , 40:71 [?] , 40:72:01-40:74, 40:75 [?] -40:76 [?] , 40:77, 40:78 [?] , 40:79- 40:87:02-40:88, 40:92 [?] -40:93 [?] , 40:95 [?] -40:96 [?] , 40:98, 40:100 [?] - 40:109 [?] , 40:112 [?] , 40:113- 40:114:01:02, 40:114:02 [?] -40:121 [?] , 40:125:01 [?] , 40:125:02-40:126, 40:127 [?] , 40:128, 40:130:01 [?] , 40:130:02, 40:131 [?] -40:137 [?] , |

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| Lot | No.: 7L6 | | Lot-specific information | | | | | |
|-----|---|---------|-----------------------------|---|--|--|--|--|
| | | | | 40:138-40:141, 40:145 [?] , 40:146- | | | | |
| | | | | 40:147, 40:148?-40:149?, 40:150, | | | | |
| | | | | 40:151 [?] -40:154 [?] , 40:155:01N- | | | | |
| | | | | 40:155:02N, 40:156 ² -40:158 ² , | | | | |
| | | | | 40:160:01, 40:160:02 [?] , 40:162 [?] - 40:163 [?] , 40:165 [?] -40:166 [?] , 40:168 [?] - | | | | |
| | | | | 40.163°, 40.165°-40.166°, 40.168°- 40:169°, 40:170-40:172, 40:173°, | | | | |
| | | | | 40:175, 40:177 [?] , 40:178-40:179, | | | | |
| | | | | 40:173, 40:177 , 40:176-40:173, 40:180 [?] -40:181 [?] , 40:182-40:183, | | | | |
| | | | | 40:184?-40:185?, 40:186:01- | | | | |
| | | | | 40:186:02, 40:187 [?] -40:192 [?] , | | | | |
| | | | | 40:193, 40:194 [?] -40:201 [?] , 40:203 [?] , | | | | |
| | | | | 40:204, 40:206 [?] -40:208 [?] , 40:210 [?] , | | | | |
| | | | | 40:212 [?] -40:213 [?] , 40:215 [?] -40:218 [?] , | | | | |
| | | | | 40:221 [?] -40:224 [?] , 40:226 [?] -40:228 [?] , | | | | |
| | | | | 40:231 [?] -40:236 [?] , 40:237, 40:238 [?] - | | | | |
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| | | | | 40:335 [?] -40:337N [?] , 40:338N, | | | | |
| | | | | 40:339 [?] -40:341 [?] , 40:344, 40:346, | | | | |
| | | | | 40:348 [?] -40:352 [?] , 40:353:01- | | | | |
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| | | | | 40:439, 40:443, 40:446-40:448, | | | | |
| | | | | 40:450, 40:452, 40:456, 40:461- | | | | |
| | | | | 40:462, 44:31, 46:06, 48:01:01:01- | | | | |
| | | | | 48:01:03, 48:01:05-48:01:10, | | | | |
| | | | | 48:03:01:01-48:04:01:02, 48:06- | | | | |
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| | 165 hr | 1070 | *07-05-01-04 07-06-05 07-00 | - | | | | |
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| | $\begin{array}{c} 40:204, 40:206^{7}-40:208^{7}, 40:210^{7}, \\ 40:221^{7}-40:213^{7}, 40:218^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:224^{7}, 40:225, \\ 40:246^{7}-40:248^{7}, 40:247^{7}-40:225, \\ 40:256N^{7}-40:257^{7}, 40:257^{7}, 40:258-40:265N, \\ 40:272-40:273, 40:277^{2}-40:283^{7}, \\ 40:291N^{7}-40:295^{7}, 40:297^{7}-40:289^{7}, \\ 40:291N^{7}-40:295^{7}, 40:297^{7}-40:289^{7}, \\ 40:300^{7}, 40:301, 40:306^{7}, 40:308^{7}, \\ 40:3010, 40:311^{7}-40:313^{7}, 40:312^{7}, \\ 40:329, 40:330^{7}, 40:337^{7}, 40:338N, \\ 40:335^{7}-40:337^{7}, 40:337N^{7}, 40:338N, \\ 40:335^{7}-40:337N^{7}, 40:338N, \\ 40:335^{7}-40:337N^{7}, 40:338N, \\ 40:335^{7}, 40:335^{7}, 40:355, \\ 40:357, 40:357^{7}, 40:355, \\ 40:357, 40:357^{7}, 40:367^{7}, 40:368^{7}, 40:367^{7}, \\ 40:368, 40:370, 40:372N, 40:374^{7}, \\ 40:368, 40:377, 40:37N^{4}, 40:346^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:386^{7}, 40:367^{7}, 40:366^{7}, 40:367^{-}, \\ 40:368, 40:370, 40:372N, 40:372N, 40:374^{7}, \\ 40:376^{7}, 40:377, 40:379, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:388^{7}, 40:386^{7}, 40:367^{-}, \\ 40:368, 40:370, 40:372N, 40:372N, 40:374^{7}, \\ 40:366^{7}, 40:366^{7}, 40:367^{-}, 40:367^{-}, \\ 40:368, 40:370, 40:372N, 40:374^{7}, \\ 40:376^{7}, 40:377, 40:379, 40:388^{7}, 40:391^{-}, \\ 40:400^{7}, 40:416^{-}, 40:420^{-}, 40:420^{-}, \\ 40:402^{7}, 40:416^{-}, 40:420^{-}, 40:420^{-}, \\ 40:402^{7}, 40:431, 40:433, 40:436^{-}, 40:420^{-}, \\ 40:402^{7}, 40:431, 40:433, 40:436^{-}, 40:420^{-}, \\ 40:432^{7}, 40:345^{7}, 40:346^{-}, 40:420^{-}, \\ 40:432^{7}, 40:345^{7}, 40:346^{-}, 40:461^{-}, \\ 40:462^{7}, 44:31, 40:463^{7}, 40:346^{-}, 40:461^{-}, \\ 40:462^{7}, 44:31, 40:045^{7}, 40:361^{-}, \\ 40:462^{7}, 44:31, 40:05^{7}, 40:3110^{-}, \\ 40:462^{7}, 44:31, 46:06^{7}, 46:01:01:01^{-}, \\ 40:462^{7}, 44:31, 46:06^{7}, 40:101:01^{-}, \\ 40:462^{7}, 40:31^{7}, 40:35^{7}, 40:35^{7$ | | | | | | | |



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| I | Lot No.: 7L6 | | Lot-specific information | |
|-----------------------|---------------------|---------|---|---|
| | | | 07:213-07:214, 07:222, 07:249, 07:258, 07:262, 07:264, 07:269- 07:270, 07:278, 07:283, 07:287, 07:293, 07:304, 07:317, 07:324, 07:327, 07:332-07:333, 07:340, 07:352-07:353, 07:356-07:358, 07:368, 07:378, 07:387, 07:389, 07:395, 07:399 | 51:279, 52:24, 54:10, 54:20, 55:09, 55:37, 55:52, 56:51, 56:63, 57:02:01:01-57:02:02, 57:12, 57:28N, 57:42, 57:63, C*01:90, C*01:116, C*05:238, C*14:92 |
| 5 | 350 bp | 1070 bp | *07:61 | |
| 6 | 405 bp | 1070 bp | *07:161N | |
| 7 ⁶ | - | - | Negative Control | |

¹Alleles are assigned by the presence of specific PCR product(s). However, the sizes of the specific PCR products may be helpful in the interpretation of HLA-B*07 Add-on SSP typings.

Nonspecific amplifications, i.e. a ladder or a smear of bands, may sometimes be seen. GC-rich primers have a higher tendency of giving rise to nonspecific amplifications than other primers.

PCR fragments longer than the control bands may sometimes be observed. Such bands should be disregarded and do not influence the interpretation of the SSP typings.

PCR fragments migrating faster than the control bands, but slower than a 400 bp fragment may be seen in some gel read-outs. Such bands can be disregarded and do not influence the interpretation of the SSP typings.

Some primers may give rise to primer oligomer artifacts. Sometimes this phenomenon is an inherit feature of the primer pair(s) of a primer mix. More often it is due to other factors such as too low amount of DNA in the PCR reactions, taking too long time in setting up the PCR reactions, working at elevated room temperature or using thermal cyclers that are not pre-heated.

²The internal positive control primer pairs amplify segments of the human growth hormone gene. The internal positive control bands are 1070 or 800 base pairs respectively, well distribution as outlined in the table. Well number 1 contains the shorter, 800 bp, internal positive control band. The well distribution of the internal controls can help in orientation of the kit on gel photo, as well as allow for kit identification. In the presence of a specific amplification the intensity of the control band often decreases.

³For several HLA Class I alleles 1st and/or 4th exon(s) and beyond, as well as intron nucleotide sequences, are not available. In these instances it is not known whether some of the primers of the SSP sets are completely matched with the target sequences or not. Assumption is made that unknown sequences in these regions are conserved within allelic groups.

⁴HLA-specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

⁵Primer mix 2 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B*07 primer mixes.

⁶Primer mix 7 contains a negative control, which will amplify the majority of HLA amplicons as well as the amplicons generated by the control primer pairs matching the human growth hormone gene. HLA-specific PCR product sizes range from 75 to 200 base pairs and the PCR product generated by the HGH positive control primer pair is 200 base pairs.

Abbreviations

w: might be weakly amplified.

?: nucleotide sequence information not available for the primer matching sequence.

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information PRIMER SPECIFICATION

| Well No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------|----------------------------------|
| Length of spec. | 105 | 355 | 355 | 165 | 350 | 405 |
| PCR product | | | | | | |
| | | | | | | |
| Length of int. | 800 | 1070 | 1070 | 1070 | 1070 | 1070 |
| pos. control ¹ | | | | | | |
| 5'-primer(s) ² | 540 | 693 | 693 | 412 | 756 | 693 |
| | ^{5'} -Cgg ^{3'} | ^{5'} -ggT ^{3'} | ^{5'} -ggT ^{3'} | ^{5'} -ATA ^{3'} | 5' -ACT 3' | ^{5'} -ggT ^{3'} |
| 3'-primer(s) ³ | 605 | 916 | 916 | 538 | 970 | 962 |
| | 5' -gCT 3' | ^{5'} -gAT ^{3'} | ^{5'} -gAC ^{3'} | 5' -CCg 3' | 5' -TCT 3' | ^{5'} -CAA ^{3'} |
| Well No. | 1 | 2 | 3 | 4 | 5 | 6 |

¹The internal positive control primer pairs amplify segments of the human growth hormone gene. The internal positive control bands are 1070 or 800 base pairs respectively, well distribution as outlined in the table. Well number 1 contains the shorter, 800 bp, internal positive control band. The well distribution of the internal controls can help in orientation of the kit on gel photo, as well as allow for kit identification. In the presence of a specific amplification the intensity of the control band often decreases.

²The nucleotide position matching the specificity-determining 3'-end of the primer is given. Nucleotide numbering as on the <u>www.ebi.ac.uk/imgt/hla</u> web site. The sequence of the 3 terminal nucleotides of the primer is given.

³The nucleotide position matching the specificity-determining 3'-end of the primer is given in the anti-sense direction. Nucleotide numbering as on the <u>www.ebi.ac.uk/imgt/hla</u> web site. The sequence of the 3 terminal nucleotides of the primer is given.

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

101.852-12 – including *Taq* polymerase, IFU-01 101.852-12u – without *Taq* polymerase, IFU-02

Lot No.: 7L6

Lot-specific information

| | _ | L LINE V | | | | | | | | |
|--|------|--------------------------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| HLA-B*07 add-on SSP subtyping kit ² | | | | | | | | | | |
| | | | | | | | W | ell | | |
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 |
| | | | | Prod. No.: | 201562301 | 201896902 | 201562303 | 201896904 | 201562305 | 201562306 |
| - | інм | C cell line ¹ | F | <u> </u> | | | | | | |
| 1 | 9001 | SA | *07:02 | 3 | + | - | + | - | - | - |
| 2 | | LK707 | *52:01 | *73:01 | - | - | - | - | - | - |
| 2 | 9011 | E4181324 | *52:01 | 73.01 | - | - | - | - | - | - |
| 4 | | GU373 | *15:10 | *53:01 | - | - | - | - | - | - |
| 4 5 | | KAS011 | *37:01 | 55.01 | - | - | - | - | - | - |
| 6 | 9353 | | *39:01 | *51:01 | - | - | - | - | - | - |
| 7 | 9353 | | *18:01 | 51.01 | - | - | - | - | - | - |
| 7 8 | 9020 | | *35:01 | | 1 | - | - | - | - | - |
| 9 | 9025 | | *38:01 | | 1- | | - | - | - | - |
| - | | | | | - | | - | - | - | - |
| 10 11 | 9107 | LKT3 PITOUT | *54:01 | - | - | - | - | - | - | - |
| 12 | 9051 | | *57:01 | | - | - | - | - | - | |
| 12 | | | - | | - | - | - | - | - | - |
| 13 | | JESTHOM | *27:05 | *15.00 | - | - | - | - | - | - |
| | 9071 | | *15:01 | *15:20 | - | - | - | - | - | |
| 15 | 9075 | | *40:01 | | - | - | + | - | - | - |
| 16 | 9037 | SWEIG007 | *40:02 | | - | - | - | - | - | - |
| 17 | 9282 | | *08:01 | *55:01 | - | - | - | - | - | - |
| 18 | 9257 | | *14:01 | *56:01 | - | - | - | - | - | - |
| 19 | | BM16 | *18:01 | | - | - | - | - | - | - |
| 20 | | SLE005 | *40:01 | | - | - | + | - | - | - |
| 21 | | AMALA | *15:01 | | - | - | - | - | - | - |
| 22 | | KOSE | *35:03 | | - | - | - | - | - | - |
| 23 | 9124 | | *40:02 | *56:02 | - | - | - | - | - | - |
| 24 | 9035 | JBUSH | *38:01 | | - | - | - | - | - | - |
| 25 | | IBW9 | *14:02 | | - | - | - | - | - | - |
| 26 | 9285 | WT49 | *58:01 | | - | - | - | - | - | - |
| 27 | 9191 | CH1007 | *07:05 | *51:01 | + | + | - | + | - | - |
| 28 | 9320 | BEL5GB | *44:02 | *44:03 | - | - | - | - | - | - |
| 29 | 9050 | MOU | *44:03 | | - | - | - | - | - | - |
| 30 | 9021 | RSH | *42:01 | | - | - | - | - | - | - |
| 31 | 9019 | DUCAF | *18:01 | | - | - | - | - | - | - |
| 32 | 9297 | HAG | *41:02 | | - | - | - | - | - | - |
| 33 | 9098 | MT14B | *40:01 | | - | - | + | - | - | - |
| 34 | 9104 | DHIF | *38:01 | | - | - | - | - | - | - |
| 35 | 9302 | SSTO | *44:02 | | - | - | - | - | - | - |
| 36 | 9024 | KT17 | *15:01 | *35:01 | - | - | - | - | - | - |
| 37 | 9065 | HHKB | *07:02 | | + | - | + | - | - | - |
| 38 | 9099 | LZL | *15:01 | | - | - | - | - | - | - |
| 39 | 9315 | CML | *08:01 | *27:05 | - | - | - | - | - | - |
| 40 | 9134 | WHONP199 | *13:02 | *46:01 | - | - | - | - | - | - |
| 41 | 9055 | H0301 | *14:02 | 1 | - | - | - | - | - | - |
| 42 | 9066 | TAB089 | *46:01 | | - | - | - | - | - | - |
| 43 | | T7526 | *46:01 | | - | - | - | - | - | - |
| 44 | 9057 | TEM | *38:01 | | - | - | - | - | - | - |
| 45 | 9239 | | *42:01 | *50:01 | - | - | - | - | - | - |
| 46 | | SCHU | *07:02 | 00.01 | + | - | + | - | - | - |
| 40 | 9045 | TUBO | *51:01 | | - | - | - | - | - | - |
| 47 | | TER-ND | *35:01 | *44:03 | - | - | - | - | - | - |

Product Insert

101.852-12 – including *Taq* polymerase, IFU-01 101.852-12u – without *Taq* polymerase, IFU-02

Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information

¹The provided cell line HLA specificities are retrieved from the <u>http://www.ihwg.org/hla</u> web site. The specificity of an individual cell line may thus be subject to change.

²The specificity of each primer solution in the kit has been tested against 48 well characterized cell line DNAs and where applicable, additional cell line DNAs.

No DNAs carrying the alleles to be amplified by primer solution 5 and 6 were available.

In primer solutions 5 and 6 it was only possible to test the 5'-primers, the 3'-primers were not possible to be tested.



Visit <u>https://labproducts.caredx.com</u> for "Instructions for Use" (IFU)

Lot No.: **7L6**

Lot-specific information

ADDRESSES:

Manufacturer: CareDx AB, Franzengatan 5, SE-112 51 Stockholm, Sweden. Tel: +46-8-508 939 00 Fax: +46-8-717 88 18 E-mail: orders-se@caredx.com Web page: https://labproducts.caredx.com/

Distributed by: CareDx GmbH, Löwengasse 47 / 6, AT-1030 Vienna, Austria. *Tel:* +43-1-710 15 00 *Fax:* +43-1-710 15 00 10 *E-mail:* orders-at@caredx.com *Web page:* https://labproducts.caredx.com/

CareDx Lab Solutions Inc., 901 S. Bolmar St., Suite R, West Chester, PA 19382 Tel: 1-877-653-78171 Fax: 610-344-7989 E-mail: orders-us@caredx.com Web page: https://labproducts.caredx.com/

For information on CareDx distributors worldwide, contact CareDx GmbH.