

CDC Accuracy-Based Monitoring Program (CDC AMP)

List of Participants that are Within Criteria

Date Updated: June 2023

Quarters Listed: Q1 2019 – Q1 2023

The following clinical and research laboratories have documented traceability to the CDC Clinical Reference Laboratory by meeting performance criteria used by the AMP for total testosterone in males and females (TT) and/or total 25-hydroxyvitamin D (VD). The following list includes the laboratory name, location of the laboratory, analyte, measurement principle, assay identifier, analysis dates, and the status of the assay in the CDC Hormone Standardization Program (CDC HoSt) and/or the CDC Vitamin D Standardization-Certification Program (CDC VDSCP).

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---|---------------------|---------|-----------------------|----------------------------------|---------|------|---------------------------------|
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2023 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2023 | N/A |
| Quest Diagnostics | Lewisville, TX, USA | VD | LC-MS/MS | Total 25-Hydroxy vitamin D (LDT) | Q1 | 2023 | N/A |
| Rafic Hariri University Hospital | Beirut, Lebanon | VD | IA | Roche Cobas | Q1 | 2023 | Certified |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2022 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2022 | N/A |
| University of Washington, Harborview Medical Center | Seattle, WA | VD | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2022 | N/A |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2022 | N/A |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2022 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2022 | N/A |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---|---|---------|-----------------------|---------------------------------|---------|------|---------------------------------|
| University of Washington, Harborview Medical Center | Seattle, WA | VD | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2022 | N/A |
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Assay Information Not Available | Q2 | 2022 | N/A |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2022 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2022 | N/A |
| University of Washington, Harborview Medical Center | Seattle, WA | VD | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2022 | N/A |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2022 | N/A |
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Assay Information Not Available | Q1 | 2022 | N/A |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2022 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2022 | N/A |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2022 | N/A |
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Roche Cobas e411 | Q4 | 2021 | N/A |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2021 | N/A |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | VD | LC-MS/MS | Total 25-Hydroxyvitamin D (LDT) | Q4 | 2021 | N/A |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q4 | 2021 | Certified |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2021 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2021 | N/A |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---|---|---------|-----------------------|---------------------------------|---------|------|---------------------------------|
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2021 | N/A |
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Roche Cobas e411 | Q3 | 2021 | N/A |
| Clinical Chemistry Laboratory, PLM, AUBMC | Beirut, Lebanon | VD | ECLPBA | Roche E801 - Cobas 8000 | Q3 | 2021 | Certified |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2021 | N/A |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | VD | LC-MS/MS | Total 25-Hydroxyvitamin D (LDT) | Q3 | 2021 | N/A |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q3 | 2021 | Certified |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2021 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2021 | N/A |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2021 | N/A |
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Roche Cobas e411 | Q2 | 2021 | N/A |
| Clinical Chemistry Laboratory, PLM, AUBMC | Beirut, Lebanon | VD | ECLPBA | Roche E801 - Cobas 8000 | Q2 | 2021 | Certified |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | VD | IA | Abbott Architect | Q2 | 2021 | Certified |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2021 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2021 | N/A |
| Saint George Hospital University Medical Center | Beirut, Lebanon | VD | IA | Roche Cobas e601 | Q2 | 2021 | N/A |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2021 | N/A |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---|---|---------|-----------------------|--------------------------|---------|------|---------------------------------|
| American University of Beirut Endocrine Core Laboratory | Beirut, Lebanon | VD | ECLPBA | Roche Cobas e411 | Q1 | 2021 | N/A |
| Doctors Center Laboratory | Beirut, Lebanon | VD | IA | Abbot Architect I1000SR | Q1 | 2021 | Certified |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | TT | IA | Abbott Architect | Q1 | 2021 | N/A |
| Green Cross Laboratories | Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea | VD | IA | Abbott Architect | Q1 | 2021 | Certified |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q1 | 2021 | Certified |
| Quest Diagnostics | Chantill, VA | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2021 | Certified |
| Quest Diagnostics | Lewisville, TX | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2021 | N/A |
| St. Joseph French University Hospital | Beirut, Lebanon | VD | IA | Diasorin Liaison | Q1 | 2021 | Certified |
| VA Puget Sound Health Care System | Seattle, WA | TT | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2021 | N/A |
| King Saud University | Saudi Arabia | VD | IA | Diasorin Liaison | Q4 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2020 | Certified |
| Bahman Hospital | Beirut, Lebanon | VD | IA | Abbott Architect | Q3 | 2020 | Certified |
| Cedim Laboratories | Beirut, Lebanon | VD | IA | Abbott | Q3 | 2020 | N/A |
| Clinical Chemistry Laboratory, PLM, AUBMC | Beirut, Lebanon | VD | ECLPBA | Roche E801 - Cobas 8000 | Q3 | 2020 | Certified |
| Hôtel Dieu de France | Beirut, Lebanon | VD | IA | Diasorin Liaison | Q3 | 2020 | Certified |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q3 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2020 | Certified |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---|-----------------|---------|-----------------------|--------------------------|---------|------|---------------------------------|
| Quest Diagnostics | Chantill, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2020 | Certified |
| Bahman Hospital | Beirut, Lebanon | VD | IA | Abbott Architect | Q2 | 2020 | Certified |
| Cedim Laboratories | Beirut, Lebanon | VD | IA | Abbott | Q2 | 2020 | N/A |
| Clinical Chemistry Laboratory, PLM, AUBMC | Beirut, Lebanon | VD | ECLPBA | Roche E801 - Cobas 8000 | Q2 | 2020 | Certified |
| Hôtel Dieu de France | Beirut, Lebanon | VD | IA | Diasorin Liaison | Q2 | 2020 | Certified |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q2 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2020 | Certified |
| Saint George Hospital University Medical Center | Beirut, Lebanon | VD | IA | Abbott Architect I2000SR | Q2 | 2020 | Certified |
| Bahman Hospital | Beirut, Lebanon | VD | IA | Abbott Architect | Q1 | 2020 | Certified |
| Boston Children's Hospital | Boston, MA | TTMF | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2020 | N/A |
| Cedim Laboratories | Beirut, Lebanon | VD | IA | Abbott | Q1 | 2020 | N/A |
| Hôtel Dieu de France | Beirut, Lebanon | VD | IA | Diasorin Liaison | Q1 | 2020 | Certified |
| Penningon Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q1 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2020 | Certified |
| Quest Diagnostics | Chantill, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2020 | Certified |
| Saint George Hospital University Medical Center | Beirut, Lebanon | VD | IA | Abbott Architect I2000SR | Q1 | 2020 | Certified |
| Boston Children's Hospital | Boston, MA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2019 | N/A |
| Boston Children's Hospital | Boston, MA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2019 | N/A |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|---------------------------------------|-----------------|---------|-----------------------|---------------------------------|---------|------|---------------------------------|
| Boston Children's Hospital | Boston, MA | VD | LC-MS/MS | Total 25-Hydroxyvitamin D (LDT) | Q4 | 2019 | N/A |
| King Saud University | Saudi Arabia | VD | IA | DiaSorin Liaison | Q4 | 2019 | Certified |
| Pennington Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q4 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q4 | 2019 | Certified |
| Boston Children's Hospital | Boston, MA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2019 | N/A |
| Boston Children's Hospital | Boston, MA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2019 | N/A |
| Boston Children's Hospital | Boston, MA | VD | LC-MS/MS | Total 25-Hydroxyvitamin D (LDT) | Q3 | 2019 | N/A |
| Quest Diagnostics | Chantilly, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q3 | 2019 | Certified |
| Boston Children's Hospital | Boston, MA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2019 | N/A |
| Boston Children's Hospital | Boston, MA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2019 | N/A |
| Boston Children's Hospital | Boston, MA | VD | LC-MS/MS | Total 25-Hydroxyvitamin D (LDT) | Q2 | 2019 | N/A |
| Pennington Biomedical Research Center | Baton Rouge, LA | VD | IA | IDS iSYS | Q2 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2019 | Certified |

| Laboratory Name | Location | Analyte | Measurement Principle | Assay Identifier | Quarter | Year | *HoSt/VDSCP Status of the Assay |
|-------------------|---------------|---------|-----------------------|--------------------------|---------|------|---------------------------------|
| Quest Diagnostics | Chantilly, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q2 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTM | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2019 | Certified |
| Quest Diagnostics | Chantilly, VA | TTF | LC-MS/MS | Total Testosterone (LDT) | Q1 | 2019 | Certified |

LDT– Laboratory Developed Test

LC-MS/MS – Liquid Chromotography Tandem Mass Spectrometry

IA– Immunoassay

ECLPBA– Electrochemiluminescence Protein Binding Assay

* Indicates certification status of the manufacturer or developer in the Hormone Standardization Program (HoSt) or Vitamin D Standardization-Certification Program (VDSCP) during the same timeframe AMP samples were analyzed. N/A indicates the manufacturer or developer assay was not certified or did not participate in the HoSt or VDSCP at the time AMP samples were analyzed.