









BOSTON HEART DIAGNOSTICS

TEST MENU

Boston Heart exclusive tests

Base your ordering decisions on medical necessity. For additional information on each test, consult the Boston Heart Test Menu on our website (bostonheartdiagnostics.com).

Exclusive Tests

-  Boston Heart CVMaP + Metabolics
-  Boston Heart Cholesterol Balance[®]
-  Boston Heart Fatty Acid Balance^{™*}
-  Boston Heart HDL Map[®]
-  Boston Heart GI Balance
-  Boston Heart Prediabetes Assessment[®]
-  Boston Heart Beta Cell Function and Risk Score
-  Boston Heart Statin-Induced Myopathy
-  (SLC01B1) Genotype
- Boston Heart Polygenic Risk Map[™]

Lipids

- ApoA-I
- Apo-B*
- ApoB/ApoA-I
- Direct LDL-C*
- HDL-C*
- HDL-C/TG Ratio
- Lp(a)*
- Non-HDL-C
- sdLDL-C*
- Total Cholesterol* TC/
- HDL-C Ratio
- Triglycerides*
- VLDL-C
- VLDL-C/TG Ratio

Metabolics

- Glucose*
- Adiponectin
- Glycated Serum Protein (GSP)
- Fructosamine
- HbA1c*
- Insulin
- C-Peptide
- HOMA-B (Beta Cell Activity)
- HOMA-IR (Insulin Resistance)
- HOMA-S (Insulin Sensitivity)

Inflammation and Oxidation

- hs-CRP*
- LpPLA₂ Activity
- Myeloperoxidase (MPO)
- Fibrinogen
- IL-6
- OxLDL
- OxPL-apoB
- TMAO

Genetics

- ApoE (CVD/Dementia Risk)*
- KLOTHO (Dementia Risk)*
- Factor V Leiden (Clot Formation)*
- Factor II (Clot Formation)* CYP2C19
- (Clopidogrel Response)* SLC01B1
- (Statin-Induced Myopathy)* MTHFR
- (Folate Metabolism)*
- LPA (Aspirin Benefit)*
- KIF6 (Statin Benefit)*
- 9p21 (Premature CVD Risk)* 4q25
- (Atrial Fibrillation Risk)* Haptoglobin
- (Vitamin E in Diabetes)*

Hormones

Sex and Adrenal Hormones

- Aldosterone
- Cortisol*
- DHEA-S*
- Estradiol
- FSH*
- LH*
- Progesterone
- Prolactin
- PSA, Total*
- PSA, Total with reflex to Free PSA
- SHBG*
- Testosterone, Free*
- Testosterone, Total*

Thyroid and Parathyroid

- TSH, Ultrasensitive*
- TSH, Ultrasensitive with reflex to TT3 and FT4
- T3, Free and Total
- T4, Free and Total
- Thyroglobulin Antibody (Anti-TG)
- Thyroid Peroxidase (TPO) Antibody
- Parathyroid Hormone

*Available from Dried Blood Spots

Liver and Kidney

- Liver**
- ALT
- AST
- Alkaline Phosphatase
- Bilirubin, Total and Direct
- Gamma Glutamyl Transferase
- Kidney**
- BUN
- BUN/Creatinine Ratio
- Creatinine*
- eGFR/Creatinine Ratio
- Cystatin C
- eGFR/Cystatin C Ratio
- Urine Albumin/Creatinine Ratio

Other Chemistry and Hematology

- Albumin*
- Prealbumin
- Amylase
- Calcium
- CBC with or without Differential
- Chloride
- CO₂
- CoQ10
- Creatine Kinase
- Ferritin
- Folate*
- Homocysteine*
- Iron
- Iron Binding Capacity (TIBC and UIBC)
- Magnesium
- NT-proBNP
- Phosphorus
- Potassium
- Protein, Total
- Sodium
- Troponin I
- Uric Acid*
- Vitamin B12*
- Vitamin D*

Tests not available in New York State: Prediabetes Assessment, Beta Cell Function, Aldosterone, IL-6, HDLP, TMAO, KIF6, 9P21, 4Q25, Haptoglobin, KLOTHO and Polygenic Risk Map

Tests not available in New Jersey: IL-6

For more information, visit bostonheartdiagnostics.com or call **877.425.1252**.

IS BOSTON HEART TESTING RIGHT FOR YOUR PATIENTS?

Patients appropriate for Boston Heart testing have:

One or more:*

- History of CVD event, including heart attack, bypass, angioplasty or stroke
- Diabetes (glucose >125 mg/dL)
- Chronic kidney disease (GFR <60 mL/min/1.73 m²)
- LDL-C \geq 190 mg/dL
- Evidence of plaque and/or positive CAC score
- \geq 7.5% 10-year CVD risk on AHA/ACC risk calculator

Or three or more:*

- Age (male \geq 45, female \geq 55)
- Family history of early CHD (male <55, female <65)
- High total cholesterol (>240 mg/dL)
- LDL-C 160–189 mg/dL
- Low HDL-C (male <40 mg/dL, female <50 mg/dL)
- Cigarette smoking
- High blood pressure (\geq 140/ \geq 90 mm Hg)
- Prescribed blood pressure medication
- Prediabetes (glucose 100–125 mg/dL)
- Physical inactivity
- Obesity or overweight

50%
of patients
who suffer a heart
attack have normal
LDL cholesterol[†]

*Based on the 2013 ACC/AHA Guidelines on the Assessment of Cardiovascular Risk and National Lipid Association Recommendations for Patient-Centered Management of Dyslipidemia

[†]Sachdeva A, Cannon CP, Deedwania PC, et al: for the Get With The Guidelines Steering Committee and Hospitals. Lipid levels in patients hospitalized with coronary artery disease: an analysis of 136,905 hospitalizations in Get With The Guidelines. *Am Heart J.* 2009;157(1):111–117.e2.