

# AALP Apolipoprotein C3

**NOTE: This test is also included within the HDL Function Panel with HDLfx pCAD Score (Order Code 37812)**

**CPT Code:** 82172

**Order Code:** 37866

**Synonyms:** AALP ApoC3

**ABN Requirement:** No

**Specimen:** Serum

**Volume:** 1.0 mL

**Minimum Volume:** 0.5 mL

**Container:** Gel-barrier tube (SST)

## **Collection:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Fasting:** Patient should be fasting 10-12 hours.

**Transport:** Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions included with the provided shipping box.

## **Stability:**

**Ambient (15-25°C):** Not Acceptable

**Refrigerated (2-8°C):** 21 days

**Frozen (-20°C):** 21 days

**Causes for Rejection:** Improper labeling; samples not stored properly; samples older than stability limits; moderately lipemic specimens

**Methodology:** Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS)

**Turn Around Time:** 10 days

**Reference Range:**

Male (nmol/L)	Male (nmol/L)
11.34-40.54	13.42-49.88

**Clinical Significance:** ApoC3 has been reported to be tightly associated with triglyceride metabolism and coronary artery disease (CAD) susceptibility. HDL-associated ApoC3 is elevated in CAD patients and inversely correlated with cholesterol efflux capacity.<sup>1</sup> Genetic epidemiological studies found that loss-of-function mutations in the ApoC3 gene is associated with reduced CAD risk and total ApoC3 is associated with increased risk for cardiovascular events.<sup>2,3</sup>

References:

1. Luo M, et al. *Sci Rep.* 2017; 2312.
2. Crosby J, et al. *N Engl J Med.* 2014;22-31.
3. Jørgensen A, et al. *N Engl J Med.* 2014;32-41.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*