

Apolipoprotein A1

CPT Code: 82172

Order Code: C122

ABN Requirement: No

Synonyms: A-1 Apolipoprotein; Apo A-1

Specimen: Serum or EDTA Plasma

Volume: 0.5 mL

Minimum Volume: 0.2 mL

Container: Gel-barrier tube (SST, Tiger Top) or EDTA (Lavender Top) tube

Collection:

Serum:

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.

Plasma:

1. Draw and gently invert 8 to 10 times.
2. Place specimen on ice after draw.
3. Centrifuge for 10 minutes.
4. Pre-squeeze transfer pipet bulb and draw off approximately 2/3 of the upper plasma layer.
Note: This ensures that the buffy coat and red cells remain undisturbed.
5. Aliquot plasma into labeled transport tube and cap tightly. Discard original tube.
6. Store transport tube refrigerated at 2-8°C until ready to ship.

Patient Preparation: Patient must be fasting 12 to 14 hours.

Transport: Store serum or EDTA plasma at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

Stability:

Ambient (15-25°C): 1 day

Refrigerated (2-8°C): 8 days

Frozen (-20°C): 2 months

Causes for Rejection: Specimens other than serum or EDTA plasma; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Immunoturbidimetric

Turn Around Time: 1 to 3 days

Relative Risk:

Sex	Low Risk mg/dL	Moderate Risk mg/dL	High Risk mg/dL
All Ages, Male	≥115	N/A	<115
All Ages, Female	≥125	N/A	<125

Clinical Significance: Testing may be useful for individuals with hyperlipidemia or decreased levels of HDL-C. Apo A-1 testing may also be useful for individuals at risk of cardiovascular disease or with a family history of cardiovascular disease to better determine risk, and to monitor the efficacy of lifestyle and therapeutic interventions in individuals with established cardiovascular disease

Limitations: In very rare cases gammopathy may cause unreliable results.

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.