



ADMA/SDMA

CPT Code: 82542

Order Code: C301

ABN Requirement: No

Specimen: Serum

Volume: 1.0 mL

Minimum Volume: 0.5 mL

Fasting: Fasting is recommended but not required

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

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.

Transport: Store serum 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): 7 days

Frozen (-20°C): 193 days

Deep Frozen (-70°C): 193 days

Causes for Rejection: Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits; hemolyzed specimens

Methodology: Tandem Mass Spectrometry (LC-MS/MS)

Turn Around Time: 4-7 days

Reference Range:

Analyte	Age	Low Relative Risk ng/mL	Moderate Relative Risk ng/mL	High Relative Risk ng/mL
ADMA	All Ages	<100	100-123	>123

Analyte	Age	ng/mL
SDMA	All Ages	73-135

Clinical Use: ADMA and SDMA may be measured in individuals with multiple risk factors for the development of cardiovascular disease.

Interpretive Information: Elevated ADMA levels are associated with significant subclinical atherosclerosis^{1,2} while elevated SDMA levels are associated with impaired kidney function^{3,4} and strongly correlate with reduced eGFR.⁴

References:

1. Maas, Renke, et al. *Stroke* 2009; 40: 2715-2719.
2. Iribarren, Carlos, et al. *Eur J Cardio Prev Rehab.* 2007; 14: 222-229.
3. Schepers, Eva, et al. *Clin J Amer Soc Nephrol.* 2011; 6: 2374-2383.
4. Kielstein, Jan T., et al. *J Am Soc Nephrol.* 2002; 13: 170-176.

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.