

Myeloperoxidase (MPO)

CPT Code: 83876

Order Code: C133

ABN Requirement: No

Synonyms: MPO

Specimen: EDTA Plasma

Volume: 1.0 mL

Minimum Volume: 0.5 mL

Container: EDTA (Lavender Top tube)

Collection:

Plasma:

1. Draw and gently invert 8 to 10 times.
2. Centrifuge immediately for 10 minutes.
EDTA plasma must be separated from cells within 2 hours of collection.
3. 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.*
4. Aliquot plasma into labeled transport tube labeled as "EDTA plasma" and cap tightly. Discard original tube.
5. Store transport tube refrigerated at 2-8°C until ready to ship.

Transport: Store plasma 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): 8 days

Frozen (-20°C): 6 months

Deep Frozen (-70°C): 6 months

Causes for Rejection: Specimens other than EDTA plasma; improper labeling;

samples not stored properly; samples older than stability limits; gross hemolysis; gross lipemia; gross icterus

Methodology: Turbidimetric Immunoassay (TIA)

Turn Around Time: 3 days

Relative Risk:

Age	Low Risk pmol/L	Moderate Risk pmol/L	High Risk pmol/L
All Ages	<470	470 - 539	≥540

Clinical Significance: Myeloperoxidase testing may be used for individuals with multiple risk factors for cardiovascular disease, or those with established disease.

Limitations: Erratic results can be observed if plasma is not centrifuged and separated from red cells immediately.

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.