MAYO CLINIC LABORATORIES

Test Definition: FENDI

Endothelin I

Overview

Method Name
Direct Enzyme Immunoassay (EIA)

NY State Available
No

Specimen

Specimen Type
Varies

Specimen Required
Patient Preparation:
Patient should NOT be on any ACTH, Corticosteroids, or hypertension medications, if possible, for at least 48 hours prior to collection of specimen.

Submit only one of the following:

Specimen Type: Serum
Collection Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Submission Container/Tube: 12x75 mm screw capped vial
Specimen Volume: 3 mL
Collection Instructions:
1. Draw blood in a plain, red-top or serum-gel tube(s).
2. Centrifuge and immediately aliquot 3 mL of serum into a plastic vial.
3. Send frozen.

Specimen Type: Plasma
Collection Container/Tube: Lavender top (EDTA)
Submission Container/Tube: 12x75 mm screw capped vial
Specimen Volume: 3 mL
Collection Instructions:
1. Draw blood in a lavender top (EDTA) tube(s).
2. Centrifuge and immediately aliquot 3 mL plasma into a plastic vial.
3. Send frozen.

Specimen Minimum Volume

1 mL

Reject Due To

Gross hemolysis	Reject
Gross lipemia	Reject
Gross icterus	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated	7 days	
	Frozen (preferred)	180 days	

Clinical & Interpretive

Clinical Information

Endothelin I is a 21 amino acid peptide produced primarily by vascular endothelial cells. It is also produced by renal mesangial and epithelial cells. Endothelin I has potent effects on peripheral vascular resistance, renal blood flow and glomerular filtration rate. Endothelin I appears to be a mediator of hypertension and acute renal failure of hemolytic uremic syndrome. Levels of Endothelin I are increased in patients with hemolytic uremic syndrome with hypertension anuria and oligonuria. Endothelin I has potent vasoconstriction properties. Endothelin I stimulates the oppositive vasodilator called Endothelium Derived Releasing Factor. Levels are also increased in trauma patients.

Reference Values

Adult Reference Range(s)
4.0-9.0 pg/mL

Performance

PDF Report

Referral

Day(s) Performed

Monday through Friday

Report Available

12 to 16 days

Performing Laboratory Location

Inter Science Institute

Fees & Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

Test Classification

This test has not been cleared or approved by the US Food and Drug Administration.
This test was developed and its performance characteristics determined by Inter Science Institute. Values obtained with different methods, laboratories, or kits cannot be used interchangeably with the results on this report. The results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.

CPT Code Information

83520

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FENDI	Endothelin I	Not Provided

Result ID	Test Result Name	Result LOINC® Value
FENDI	Endothelin I	49867-5