

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 | Frozen (preferred) | 180 days | |
| | Refrigerated | 7 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 |