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**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 opposite 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

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**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             |