

Overview

Method Name

Direct ELISA

NY State Available

No

Specimen

Specimen Type

Urine

Specimen Required

Patient Preparation: Patient should not be on aspirin, indomethacin, or anti-inflammatory medications, if possible, for at least 48 hours prior to collection of specimen.

Specimen Type: Urine

Submission Container/Tube: Plastic, 10-mL tube (T068)

Specimen Volume: 10 mL

Collection Instructions:

- 1. Collect 10 mL random urine (NO preservative).
- 2. Freeze immediately and send specimen frozen in plastic, 10-mL urine tube (T068)
- 3. Specimen must remain frozen prior to and during shipping.

Note: 24-hour urine collection is not acceptable.

Specimen Minimum Volume

5 mL

Reject Due To

| | |
|--|--------|
| Gross hemolysis | Reject |
| Gross lipemia | Reject |
| Gross icterus | Reject |
| 24-hour urine collections Room temperature or Refrigerated specimens | Reject |

Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---------------|-------------|---------|-------------------|
| Urine | Frozen | 60 days | |

Clinical & Interpretive

Clinical Information

Prostaglandins are fatty acids derived from arachidonic acid metabolism. They are closely related to the Thromboxanes and Leukotrienes. Prostaglandin D2 is derived mainly from Prostaglandin H2 and is metabolized to Dihydroketo Prostaglandin D2. Prostaglandin D2 is excreted directly into the urine. The sites of highest Prostaglandin D2 activity are the brain, spinal cord, intestines, and stomach. Prostaglandin D2 is the major Prostaglandin produced by uterine tissue. Prostaglandin D2 is a potent bronchoconstrictor, neuromodulator, and anti-antithrombin agent. It also stimulates the secretion of Pancreatic Glucagon. Prostaglandin D2 has been found to have an anti-metastatic effect on many malignant tumor cells. Prostaglandin D2 production and circulating levels are drastically suppressed by aspirin and indomethacin.

Reference Values

Up to 175 ng/g Creatinine

Performance

PDF Report

Referral

Day(s) Performed

Monday through Friday

Report Available

5 to 9 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

84150

LOINC® Information

| Test ID | Test Order Name | Order LOINC® Value |
|---------|-----------------------------|--------------------|
| FPROS | Prostaglandin D2 (PG D2), U | 12838-9 |

| Result ID | Test Result Name | Result LOINC® Value |
|-----------|-----------------------------|---------------------|
| FPROS | Prostaglandin D2 (PG D2), U | 12838-9 |