

**Overview**
**Method Name**

Prostaglandin D2 is measured by EIA/ELISA following extractions of specimens.

**NY State Available**

No

**Specimen**
**Specimen Type**

Serum

**Specimen Required**
**Patient preparation:**

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

**Serum**

**Specimen Type:** Serum

**Container/Tube:** Red top

**Specimen Volume:** 3 mL

**Collection Instructions:** Draw blood in a plain, red-top tube(s), serum-gel tube(s) is acceptable. Separate immediately and send 3 mL of serum frozen in a plastic vial.

**Specimen Minimum Volume**

1 mL

**Reject Due To**

|           |   |
|-----------|---|
| Hemolysis | NA  |
| Lipemia   | Mild reject; Gross reject   |
| Icterus   | Mild reject; Gross reject   |
| Other     | Specimens other than Serum or Plasma EDTA. Test is strict frozen. |

**Specimen Stability Information**

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

## Clinical and 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

Adult Reference Range(s): 35 - 115 pg/mL

No pediatric reference ranges available for this test.

## Performance

### PDF Report

No

### Day(s) Performed

Monday through Friday

### Report Available

10 to 14 days

### Performing Laboratory Location

Inter Science Institute

## Fees and 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 Regional Manager. For assistance, contact [Customer Service](#).

### Test Classification

This test was performed using a kit that has not been cleared or approved by the FDA and is designated as research use only. The analytic performance characteristics of this test have been determined by Inter Science Institute. This test is not intended for diagnosis or patient management decisions without confirmation by other medically established means.

### CPT Code Information

84150

### LOINC® Information



| Test ID | Test Order Name         | Order LOINC Value |
|---------|-------------------------|-------------------|
| FD2PG   | Prostaglandin D2 (PGD2) | 12839-7           |

| Result ID | Test Result Name        | Result LOINC Value |
|-----------|-------------------------|--------------------|
| FD2PG     | Prostaglandin D2 (PGD2) | 12839-7            |