

## Overview

**Method Name**

Direct ELISA

**NY State Available**

Yes

## 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