

Overview

Method Name

Direct Immunoassay (RIA)

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 must be frozen within 30 minutes of collection.

Specimen Type: Urine

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

Specimen Volume: 10 mL

Collection Instructions:

1. Collect random urine (NO preservative).
3. Freeze immediately and send specimen frozen in the plastic, 10-mL urine tube (T068)

Note: 24 hours urine collection is not acceptable.

Reject Due To

Hemolysis	NA
Lipemia	NA
Icteric	NA
Other	NA

Specimen Minimum Volume

5 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Frozen (preferred)	180 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

No reference intervals available for this test.

Performance**PDF Report**

No

Performing Laboratory Location

Inter Science Institute

Fees & Codes**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
FPD2U	Prostaglandin D2 (PG D2), U	12838-9

Result ID	Reporting Name	LOINC®
FPD2U	Prostaglandin D2 (PG D2), U	12838-9