



Test Definition: FPDPG

Prostaglandin D2 (PGD2)

Overview

Method Name

ELISA

NY State Available

Yes

Specimen

Specimen Type

Serum

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.

Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 3 mL

Collection Instructions:

1. Draw blood in a plain, red-top tube(s), serum-gel tube(s) is acceptable.
2. Centrifuge as soon as possible, aliquot 3 mL of serum into a plastic vial, and freeze immediately.
3. Send frozen.

Specimen Minimum Volume

1 mL

Reject Due To

Gross hemolysis	Reject
Gross lipemia	Reject
Gross icterus	Reject
Specimens other than Serum or Plasma EDTA.	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	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

35 - 115 pg/mL

No pediatric reference ranges available for this test.

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
FPDPG	Prostaglandin D2 (PGD2)	Not Provided

Result ID	Test Result Name	Result LOINC® Value
FPDPG	Prostaglandin D2 (PGD2)	12839-7