

2,3-Dinor 11 Beta-Prostaglandin F2 Alpha, Random, Urine

Test ID: 23BPR

Useful for:

Screening for mast cell activation disorders including systemic mastocytosis using random urine specimens

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
R23BP	2,3-dinor 11B-Prostaglandin F2a	No	Yes
CRETR	Creatinine, Random, U	No	Yes

Methods:

R23BG: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

CRETR: Enzymatic Colorimetric Assay

Reference Values:

<1802 pg/mg creatinine

Specimen Requirements:

Patient Preparation: Patients taking aspirin or nonsteroidal anti-inflammatory drugs (NSAID) may have decreased concentrations of prostaglandin F2 alpha. If possible, discontinue for 2 weeks or 72 hours, respectively, prior to collecting a specimen.

Container/Tube: Plastic, 5-mL tube (T465)

Specimen Volume: 5 mL

Collection Instructions: Collect a random urine specimen.

Minimum Volume: 4 mL

Note:

Although a random urine collection is acceptable, the preferred specimen for 2,3-dinor-11beta-prostaglandin F2 alpha analysis is a 24-hour urine collection; order 23BPT / 2,3-Dinor-11 Beta-Prostaglandin F2 Alpha, 24 Hour, Urine.

Specimen Stability Information:

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	14 days
	Ambient	8 hours
	Frozen	30 days

Cautions:

Elevated levels of 2,3-dinor-11beta-prostaglandin F2 alpha (2,3 BPG) in urine are not specific for systemic mast cell disease and may be found in patients with angioedema, diffuse urticaria, or myeloproliferative diseases in the absence of diffuse mast cell proliferation.

Systemic mast cell disease is a heterogeneous disease, and some patients may not have elevated 2,3 BPG in urine.

CPT Code:

84150

82570

Day(s) Setup: Monday, Thursday **Analytic Time:** 2 days

Questions

Contact Joshua Yang, Laboratory Technologist Resource Coordinator at 800-533-1710.