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**Lab Dept:** Urine/Stool

**Test Name:** 2,3-DINOR -11 BETA PROSTAGLANDIN F2  
ALPHA, RANDOM URINE

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***General Information***

**Lab Order Codes:** 23BPG

**Synonyms:** Prostaglandin, Mastocytosis

**CPT Codes:** 84150 – Prostaglandin, each

**Test Includes:** Prostaglandin reported in pg/mg Cr and Creatinine reported in mg/dL.

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***Logistics***

**Test Indications:** Useful for screening mast cell activation disorders including systemic mastocytosis using random urine specimens.

**Lab Testing Sections:** Urine/Stool - Sendouts

**Referred to:** Mayo Clinic Laboratories (MML Test: 23BPR)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 – 6 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Urine

**Container:** Random urine cup

**Draw Volume:** 5 mL (Minimum: 4 mL) urine

**Processed Volume:** 5 mL (Minimum: 4 mL) urine

**Collection:** Random urine

<b>Special Processing:</b>	Lab Staff: Random Urine: Measure urine aliquot and place in Mayo Urine transport tube (Supply T465) with no preservatives preferred. Store and ship specimen at refrigerated temperatures.
<b>Patient Preparation:</b>	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.
<b>Sample Rejection:</b>	Mislabeled or unlabeled

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### ***Interpretive***

<b>Reference Range:</b>	All ages: <1802 pg/mg creatine
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	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.
<b>Methodology:</b>	23BPG: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) Creatinine: Enzymatic Colorimetric Assay
<b>References:</b>	<a href="#">Mayo Clinic Laboratories</a> June 2021
<b>Updates:</b>	6/22/2021: Updated to Random Urine at Mayo.