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**Lab Dept:** Urine/Stool

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

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***General Information***

**Lab Order Codes:** 23BPG

**Synonyms:** Prostaglandin, Mastocytosis

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

**Test Includes:** 23BPU and AACT reported in pg/mg creatine

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***Logistics***

**Test Indications:** Useful for screening mast cell activation disorders including systemic mastocytosis.

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

**Referred to:** Mayo Clinical Laboratories (MML Test code: 23BPG)

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 – 6 days

**Special Instructions:** 24 hour specimen preferred. Random specimens will be accepted.

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***Specimen***

**Specimen Type:** Urine (24 hour specimen preferred)

**Container:** 24 hour urine collection container or urine cup, send entire specimen to the lab.

**Draw Volume:** 4 mL (Minimum: 3 mL) urine

**Processed Volume:** 4 mL (Minimum: 3 mL) urine

**Collection:** 24 hrs collection, preferred  
Random specimens will be accepted

**Special Processing:** Lab Staff:  
24 hour Urine: Mix entire specimen. Measure and record 24 hour urine volume. Measure urine aliquot and place in Mayo Urine transport tube (Supply T465) with no preservatives. Store and ship at refrigerated temperatures.

Random Urine: Measure urine aliquot and place in Mayo Urine transport tube (Supply T465) with no preservatives preferred. Note ss random specimen. Store and ship specimen at refrigerated temperatures.

**Patient Preparation:** NA

**Sample Rejection:** Mislabeled or unlabeled

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***Interpretive***

**Reference Range:** All ages: <5,205 pg/mg creatine

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** 23BPG: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

AACT: Enzymatic Colorimetric Assay

**References:** [Mayo Clinical Laboratories](#) February 2019