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**Lab Dept:** Chemistry

**Test Name:** URIC ACID, PATIENT ON RASBURICASE

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***General Information***

**Lab Order Codes:** URICR for patients on Rasburicase

**Synonyms:** Uric Acid, [Patient on Rasburicase special handling required](#))

**CPT Codes:** 84550 – Uric acid; blood

**Test Includes:** Uric acid concentration reported in mg/dL.

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***Logistics***

**Test Indications:** Uric acid is the end product of purine metabolism, either synthesized or dietary, and is normally cleared by the kidney. An increased level in joints is known as gout. Uric acid may also be increased with acidosis, uremia, and in conditions associated with tissue destruction, such as leukemia.

**Lab Testing Sections:** Chemistry

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours

**Special Instructions:** Patient on Rasburicase: Specimen needs to be placed on ice **immediately** after being drawn and sent on ice to the laboratory immediately for analysis.

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***Specimen***

**Specimen Type:** Blood

**Container:** Green top (Li Heparin) tube **preferred**

Alternate tube: SST (Gold, marble or red top tube)

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL plasma/serum

<b>Collection:</b>	Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion. See <a href="#">Special instructions for Patients on Rasburicase</a>
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a plastic sample cup. Store at refrigerated temperatures.  For patients on Rasburicase: Process iced samples immediately and analyze as soon as possible.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimen; specimens other than heparinized plasma or serum; Rasbuicase specimens not collected or stored on ice

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### ***Interpretive***

<b>Reference Range:</b>	2.0 - 5.5 mg/dL
<b>Critical Values:</b>	>10 mg/dL
<b>Limitations:</b>	Uric acid concentration is decreased with excessive lipemia.
<b>Methodology:</b>	Uricase, Siemens Dimension Vista 500
<b>References:</b>	Tietz (1999) Textbook of Clinical Chemistry, 3 <sup>rd</sup> edition, Philadelphia, WB Saunders Co, pp 1245-1250  Dimension Vista Uric Acid Flex Insert P/N 781077.001 REV G, 8/20/2013
<b>Updates:</b>	12/2/2010: Added information for patients on Rasburicase. 11/3/2011: Added rejection statement regarding specimens not collected or stored on ice. 9/16/2016: Update alternate tube type