

Diagnostic Laboratory Services

URIC ACID, RASBURICASE

Test ID: LAB6612

Useful For: Rasburicase may be used to manage the increase of uric acid in patients with tumor lysis syndrome. Specimens kept cold can help prevent uric acid breakdown by rasburicase.

Methods: Uricase

Reference Ranges:

0 - 14 Days: 2.8-12.7 mg/dL
15 Days - < 1 Year: 1.6 - 6.3 mg/dL
1 Year - < 12 Years: 1.8 - 4.9 mg/dL
12 Years - <19 Years: 2.6 - 7.6 mg/dL (male)
12 Years - <19 Years: 2.6 - 5.9 mg/dL (female)
19 Years and older: 3.5 - 7.2 mg/dL (male)
19 Years and older: 2.6 - 6.0 mg/dL (female)

Specimen Requirements:

Specimen Type: Lithium Heparin Plasma

Container/Tube: Light Green Top

Preferred: Lithium Heparin Plasma (Light Green Top)

Acceptable: Lithium Heparin Plasma (Light Green Top)

Preferred Specimen Volume: 1 Light Green Top

Collection Instructions: On-campus labs, samples should be collected and immediately placed on ice before centrifugation. For off-campus labs or non-testing performing sites, centrifuge, remove plasma, and freeze plasma immediately.

Minimum Specimen Volume: 2 mL of Plasma

Transport Temperature: Frozen once the plasma is aliquoted

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma	On Ice	4 Hours
Plasma	≤ -20°C	3 Months

Special Instructions:

Centrifuge (cold, if possible) to separate plasma immediately. Place the centrifuged specimen on ice and assay immediately. For off-campus labs or non-testing performing sites, centrifuge, remove plasma, and freeze plasma immediately. Testing sites must perform testing as soon as frozen plasma is thawed. Thoroughly mix thawed plasma prior to testing.

Cautions: Keeping the specimen cold will prevent the breakdown of uric acid by rasburicase ex vivo. This allows for more accurate measurement of uric acid.

Recommendations: Please update preference lists to ensure this new test is used.

CPT Code: 84550

Days(s) Performed: Daily

Report Available: Continuous

Questions: Please get in touch with VUMC Lab Customer Service at 615-875-5227 (5-LABS) or visit our website: www.labVU.com