



URIC ACID, SERUM

Synonym(s):

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Lab Section Category	Clinical Biochemistry Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/clinical-biochemistry.aspx).
Specimen Required	For routine Uric Acid testing: 3 mL plain blood For patients on Rasburicase: 3 mL lithium heparin blood. To pre-chill tube, keep cold on ice and send immediately. Please alert the Clinical Biochemistry Laboratory when sending these specimens.
Method	Enzymatic, Spectrophotometry
Reference Interval/Value	1 – 30 days : 59 - 271 μ mol/L 31 days – 3 yrs : 65 - 330 μ mol/L 4 – 9 yrs : 106 - 325 μ mol/L 10 – 12 yrs : 130 - 413 μ mol/L 13 – 15 yrs : 130 - 413 μ mol/L 15 – 17 yrs : M 218 - 578; F 178 - 459 μ mol/L \geq 18 yrs : M 218 - 578; F 178 - 459 μ mol/L
Turnaround Time	Mean = 4 hrs, Range: 3 – 5 hrs
Day(s) Test Set up	Daily
Remarks	Uric acid testing for patients on Rasburicase treatment: Rasburicase is generally used for the treatment of hyperuricaemia in tumour lysis syndrome. It lowers plasma/serum uric acid levels by metabolising Uric Acid to Allantoin and this process continues ex-vivo post blood collection. Delayed analysis of these specimens may therefore lead to falsely low Uric Acid results, giving an incorrect impression of treatment success. In order to reduce ex-vivo degradation of Uric Acid, specimens should be taken in pre-chilled lithium heparin tubes and sent on ice immediately.

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Change History Notes

- **29 Apr 2013 06:29 PM**
Reference Interval has been last updated on 22 Apr 2013.

- **07 Dec 2018 05:32 PM**
Specimen Requirements have been last updated on 07 Dec 2018.