

# URATE, PLASMA

## Orderable - UR

Turn Around Time: 4 hours

STAT: 1 hour

### Alternate Name(s):

Uric Acid

### Specimen:

Adult	Pediatric
4.5 mL Green top Vacutainer tube	0-2 years: 0.5 mL Green top Microtainer 2-10 years: 3 mL Green top tube

### Collection Information:

Collect blood aseptically in a Vacutainer tube.

### Reference Ranges:

Age	Range
Premature:	<32 µmol/L
0-1 month:	<311 µmol/L
1 month-1 year:	<372 µmol/L
1 year-17 years:	<362 µmol/L
Males >18 years:	<420 µmol/L
Females >18 years:	<340 µmol/L

### Interpretive Comments:

Levels are elevated in gout, with increased metabolism of nucleoproteins, such as in leukemia (especially after chemotherapy) and polycythemia, or after the intake of foods rich in nucleoproteins, such as liver. Plasma levels are increased with decreased renal function. The limit of solubility of uric acid in blood is 400 µmol/L. The risk of gout increases above this level.



**Laboratory:**  
Core Lab




**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Enzymatic Colorimetric



**Test Schedule:**  
As required



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## Special Processing:

Blood samples from patients on Rasburicase treatment should be immediately sent to the lab on ice. Draw the samples into pre-chilled green top tubes (can be micro-collection tube as well). Once the sample is collected, put the tube on ice and send it to the lab STAT. Ice is not required if the patient has not received Rasburicase treatment within the past 72 hours or 3 days.