

# CREATININE PLASMA

## Orderable - CRE

Turn Around Time: 4 hours

STAT: 1 hour

### Specimen:

| Adult  | Pediatric  |
|--|--|
| 4.5 mL Green top Vacutainer or 5 mL Gold top Vacutainer tube | 0-2 years: 0.6 mL Green top Microtainer<br>2-10 years: 3 mL Green top tube |

### Collection Information:

Minimum volume required for a pediatric sample is 0.2 mL

### Reference Ranges:

| Age                    | Range         |
|------------------------|---------------|
| 0-5 years:             | <53 µmol/L    |
| 5-8 years:             | 30-70 µmol/L  |
| 8-12 years:            | 30-96 µmol/L  |
| Male 12 years-adult:   | 62-120 µmol/L |
| Female 12 years-adult: | 55-100 µmol/L |

Note that plasma creatinine increases with age.

**Critical Value:** LRCP ONLY - Creatinine: >500 µmol/L

### Interpretive Comments:

Normal levels correlate with total body muscle mass. Not markedly affected by diet or dehydration. In assessment of renal function, plasma creatinine remains normal down to a GFR of about 0.5 mL/sec. Therefore, creatinine clearance must be done to detect early renal impairment.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Enzymatic Assay  
standardized against  
ID/MS



**Test Schedule:**  
As required