

LAB66 Creatinine, Serum

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC

Performing Location(s)

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC

Specimen Type

Serum or Plasma

Preferred Container

Gold or Red top tube

Alternate Container

Green top tube

Minimum Volume to Submit for Testing

0.5 mL Serum or Plasma

Multiple test can be performed from this volume.

For question please contact the lab at 547-3975.

Transportation Needs

Deliver specimen to laboratory within 1 hour of collection if unspun.

If not possible see "Storage Requirements".

Storage Requirements

Sample tubes should be centrifuged within 2 hours of collection

Gold tops are stable in original tubes for 7 days DO NOT ALIQUOT

Aliquot Red tops

See Causes of Rejection for temperature requirements.

Causes for Rejection

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

> 7 days refrigerated

> 48 hours room temperature

> 6 months frozen

Hemolysis > 500 mg/dL HgB

Lipemia > 700 mg/dL Trig

Bilirubin > 20 mg/dL Bili

Reference Values

Population	Units	Reference Range
Female	mg/dL	0.6-1.2
Male	mg/dL	0.7-1.3

Glomerular Filtration Rate (GFR)

<p>The clinical laboratory automatically calculates glomerular filtration rate (GFR) on all adult out-patients with a creatinine. The GFR is usually accepted as the best overall index of kidney function in health and disease. The formula used will be that derived from the IDMS traceable Modification of Diet in Renal Disease (MDRD) study and recommended by the National Kidney Disease Education Program of the National Institute of Diabetes and Diseases of the Kidney, National Kidney Foundation and American Society of Nephrology. This equation is expected to provide a more accurate estimate of GFR than Creatinine Clearance. It uses serum creatinine in combination with patient age, sex and race to estimate GFR. The calculation (shown below) will be included on all adult outpatients with a serum creatinine at no charge.</p>
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Reflex Testing

A glomerular filtration rate will be calculated and reported on all adult out-patients with a creatinine, at no charge. BCR is calculated on inpatient orders only when both BUN and CRTN are ordered.

Available STAT

Yes

Methodology

Beckman AU/Dx Series

CPT Code

82565