
Lab Dept: Urine/Stool

Test Name: CREATININE, URINE

General Information

Lab Order Codes: UCRE

Synonyms: Creatinine, Random Urine

CPT Codes: 82570 – Creatinine, other source

Test Includes: Urine creatinine concentration in mg/dL

Logistics

Test Indications: Creatinine is a high energy compound used in the metabolic processes of muscle contraction. A portion of the free creatine in muscle spontaneously and irreversibly converts to creatinine. Creatinine is present in all body fluids and secretions. It is freely filtered by the kidney glomeruli and is measured to assess kidney function and in the diagnosis and treatment of renal disease.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Urine, random collection

Container: Plastic leakproof container (No preservatives)

Draw Volume: 1 - 3 mL from a random urine collection

Processed Volume: Minimum: 0.5 mL urine

Collection:	A random urine sample may be obtained by voiding into a urine cup. Bring the container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.
Special Processing:	Lab Staff: Centrifuge specimen before analysis. Specimen stability: Refrigerated: 4 hours
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Males: 40 – 278 mg/dL Females: 29 – 226 mg/dL
Critical Values:	N/A
Limitations:	N/A
Methodology:	Enzymatic, correlated to IDMS traceable
References:	EZCRA Flex® reagent cartridge insert sheet, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, PN 781270.001, US, issue date 2013-08-20 Rev C EZCR Flex® reagent cartridge insert sheet (RXL/MAX),, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, PN 717270.003, US, issue date 2014-11-21 Rev E EZCREA CAL product insert, Dimension Vista System, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, PN 792018.002, US, issue date 03/2012 Rev E Chemistry 1 Calibrator package insert, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, PN 792018.002-US, Rev E, Issue date 06/2013 Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714 Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition Pediatric Reference Intervals, Sixth Edition, AACC Press, Washington DC, 2007

Biorad Liquichek □ Unassayed Chemistry Control (Human) product insert, Irvine, CA

Biorad Multiquel® 1 & 3 Control Levels product insert, Bio-Rad Laboratories, Irvine, CA

Biorad Liquichek □ Urine Chemistry 1 & 2 Control Levels Product insert, Bio-Rad Laboratories, Irvine, CA 92618

2/4/2013: Method update, previously listed as Alkaline Picrate/Kinetic

7/21/2015: Vista update.

9/28/2017: Lab processing update.

Updates: