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 Multiqual® 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

Updates:

2/4/2013: Method update, previously listed as Alkaline Picrate/Kinetic7/21/2015: Vista update.9/28/2017: Lab processing update.