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**Reporting Title:** Manganese/Creat Ratio, Random, U  
**Performing Location:** Rochester**Specimen Requirements:**

Patient Preparation: High concentrations of gadolinium and iodine are known to interfere with most metal tests. If either gadolinium- or iodine-containing contrast media has been administered, a specimen should not be collected for 96 hours.

Supplies: Urine Tubes, 10 mL (T068)

Collection Container/Tube: Clean, plastic urine collection container with no metal cap or glued insert

Submission Container/Tube: Plastic, 10-mL urine tube or clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 3 mL

Collection Instructions:

1. Collect a random urine specimen.
2. See Metals Analysis Specimen Collection and Transport for complete instructions.

**Specimen Minimum Volume:**

0.8 mL

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Frozen	28 days	
	Ambient	7 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
614994	Manganese/Creat Ratio, U	Numeric	mcg/g Cr	27367-2
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
MNCU	Manganese/Creat Ratio, U			Yes	No
CRETR	Creatinine, Random, U			Yes	No

**CPT Code Information:**

82570  
83785

**Reference Values:****MANGANESE**

0-17 years: Not established  
> or =18 years: <4.0 mcg/g creatinine

**CREATININE**

> or =18 years old: 16-326 mg/dL  
Reference values have not been established for patients who are younger than 18 years of age.