

## Manganese/Creatinine Ratio, Random, Urine

**Test ID:** MNRCU

**Useful for:**

Monitoring manganese exposure using random urine specimens

Nutritional monitoring

Clinical trials

**Methods:**

MNCU: Triple-Quadrupole Inductively Coupled Plasma-Mass Spectrometry (ICP-MS/MS)

CRETR: Enzymatic Colorimetric Assay

**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

**Specimen Requirements:**

<b>Container/Tube:</b>	Clean, plastic urine collection container with no metal cap or glued insert
<b>Preferred:</b>	Urine Tubes, 10 mL (T068)
<b>Acceptable:</b>	Plastic, 10-mL urine tube or clean, plastic aliquot container with no metal cap or glued insert
<b>Specimen Volume:</b>	3 mL
<b>Collection Instructions:</b>	1. Collect a random urine specimen. 2. See Trace Metals Analysis Specimen Collection and Transport in Special Instructions for complete instructions.
<b>Minimum Volume:</b>	0.8 mL

**Specimen Stability Information:**

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

**CPT Code:**

82570

83785

**Day(s) Performed:** Tuesday, 8 a.m.

**Report Available:** 1 to 7 days

**Questions**

Contact Rebekah Knauer, Laboratory Technologist Resource Coordinator at 800-533-1710.