

**Reporting Title:** Magnesium/Creat Ratio, Random, U  
**Performing Location:** Rochester

**Specimen Requirements:**

Supplies: Sarstedt Aliquot Tube 5 mL (T914)

Collection Container/Tube: Plastic urine container

Submission Container/Tube: Plastic, 5-mL tube or a clean, plastic aliquot container with no metal cap or glued insert

Specimen Volume: 4 mL

Collection Instructions:

1. Collect a random urine specimen.
2. No preservative.

**Specimen Minimum Volume:**

1 mL

**Forms:**

If not ordering electronically, complete, print, and send a Renal Diagnostics Test Request (T830) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	30 days	
	Ambient	72 hours	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
MCTR1	Magnesium/Creat Ratio, Random, U	Numeric	mg/mg	13474-2
MGCO	Magnesium, Random, U <b>Also used by tests: MAGNR</b>	Numeric	mg/dL	19124-7
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
MCTR1	Magnesium/Creat Ratio, Random, U			Yes	No
MGCO	Magnesium, Random, U			Yes	No
CRETR	Creatinine, Random, U			Yes	No

### CPT Code Information:

83735  
82570

### Reference Values:

1 month-<12 months: 0.10-0.48 mg/mg creat  
 12 months-<24 months: 0.09-0.37 mg/mg creat  
 24 months-<3 years: 0.07-0.34 mg/mg creat  
 3 years-<5 years: 0.07-0.29 mg/mg creat  
 5 years-<7 years: 0.06-0.21 mg/mg creat  
 7 years-<10 years: 0.05-0.18 mg/mg creat  
 10 years-<14 years: 0.05-0.15 mg/mg creat  
 14 years-<18 years: 0.05-0.13 mg/mg creat  
 18 years-83 years: 0.04-0.12 mg/mg creat

Reference values have not been established for patients who are younger than 1 month.

Reference values have not been established for patients who are older than 83 years.