
Lab Dept: Urine/Stool

Test Name: MAGNESIUM, RANDOM URINE

General Information

Lab Order Codes: UMGR

Synonyms: Mg, Random Urine

CPT Codes: 83735 – Magnesium

Test Includes: Urine magnesium concentration in mg/dL.

Logistics

Test Indications: Magnesium is an essential mineral that is found in the body and is related to other cations such as calcium, phosphate, sodium and potassium. The body maintains magnesium levels in blood, cells and bone by regulating how much it absorbs from the intestines and how much it excretes or conserves in the kidneys.

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 and is often performed at the laboratory. Bring the refrigerated 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: N/A

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range: Not established for random urines

Critical Values: N/A

Limitations: N/A

Methodology: Colorimetric, Methyl Thymol Blue

References: MG Flex® reagent cartridge insert sheet Siemens Healthcare Diagnostics (2010-02-04) Version L

Jacobs & DeMott Laboratory Test Handbook Lexi-Comp, Inc (2001) Hudson, OH, 5th Edition

Biorad Liquichek Urine Chemistry Control Product Insert

Updates: 12/10/2013: Units change to mg/dL. References updated.