
Lab Dept: Urine/Stool

Test Name: MICROALBUMIN, URINE

General Information

Lab Order Codes: UMAR

Synonyms: Albumin/Creatinine Ratio

CPT Codes: 82043 – Albumin: urine, microalbumin, quantitative
82570 – Creatinine; other source

Test Includes: Urine Microalbumin in mg/L, Urine Creatinine in mg/dL and Albumin/creatinine ratio in mg albumin/g creatinine

Logistics

Test Indications: Increased excretion of albumin (microalbuminuria) is a predictor of future development of clinical renal disease in patients with hypertension or diabetes mellitus.

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: 1 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: Lab Staff: Centrifuge specimen before analysis.

Patient Preparation: Sample should not be collected after exertion, in the presence of a urinary tract infection, during acute illness, immediately after surgery, or after acute fluid load.

Sample Rejection: Mislabeled or unlabeled specimens; samples contaminated with blood

Interpretive

Reference Range:	Albumin/creatinine ratio (A/C ratio)	<30 mg/g Normal
		30 - 300 mg/g Microalbuminuria
		>300 mg/g Clinical albuminuria
	Urine Creatinine:	No reference ranges established

Critical Values: N/A

Limitations: N/A

Methodology: Nephelometry

References: Siemens Dimension Vista MALB Flex Package Insert, K7062G00E0803, Rev 3/2011

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

Biorad Liquichek □ Urine Chemistry Control Product insert, Bio-Rad Laboratories, Irvine, CA 92618

Updates: 8/29/2005: Method change, previously listed as Immunoturbidimetric /Modified benedict/Behre.
4/22/2014: Method update, previously listed as Turbidimetric/Immunoassay – PETINIA.
9/28/2017: Updated lab processing.