MICROALBUMIN CREATININE RATIO, URINE

Profile Details | 1 Parameters

Fasting: Fasting not required | Report Time: Next day

Specimen Required: Urine

Price- ~~₹799~~ **₹399**

Parameters Included

About This Test

The microalbumin creatinine ratio (ACR) is a urine test used to assess kidney function, particularly in detecting early signs of kidney damage or diabetic nephropathy. It measures the ratio of albumin (a protein) to creatinine (a waste product from muscle metabolism) in urine samples collected over 24 hours or from a spot urine sample. ### Clinical Significance: Elevated ACR levels indicate leakage of albumin into the urine, known as microalbuminuria. This condition can occur due to kidney damage fro conditions like diabetes, hypertension, or other chronic diseases. Detecting microalbuminuria early is crucial, as it may indicate an increased risk of progressive kidney disease and cardiovascular complications. ### Interpretation: - **Normal Range:** A normal ACR is less than 30 mg/g (milligrams of albumin per gram of creatinine). - **Abnormal Results:** A high ACR (30-300 mg/g) suggests early kidney damage (microalbuminuria), while a very high ACR (>300 mg/g) indicates advanced kidney diseas (macroalbuminuria). ### Clinical Utility: Regular monitoring of ACR helps healthcare providers assess kidney function, monitor disease progression, and adjust treatment strategies to prevent or delay complications. Management typically involves controlling blood sugar levels, blood pressure, and using medications like ACE inhibitors or ARBs to protect kidney function. In summary, the microalbumin creatinine ratio is a sensitive marker for early kidney damage, especially in patients with diabetes or hypertension. Timely detection and management of elevated ACR levels are essential for preserving kidney function and reducing the risk of associated cardiovascular complications.

98% On-Time Reports	**100% Sample Accuracy**	**Free Home Collection**	**Expert Doctors**	**750+ Lab Tests**
Available 24×7	NABL Certified Labs	Door-to-Door Pickup	Across India	Trusted & Reliable

**Fasting 10–12 hrs essential | *Limited Period Offer | *Reports within Next day*