

## Chemstrip® Micral Urine Test Strips

*The simple in-office test to identify patients at risk for kidney and cardiovascular diseases*

Now it's easy to eliminate the hassles of traditional lab-based microalbuminuria (MAU) testing.

CLIA-waived Chemstrip Micral urine test strips from Roche Diagnostics give you a dip-and-read albumin test you can perform in one minute, right in your office – with proven accuracy.

The National Kidney Foundation and the American Diabetes Association recommend that patients with diabetes and other risk factors be screened for microalbuminuria annually.<sup>1,2</sup>

Albumin testing can also help in identifying diabetic and nondiabetic patients at risk for cardiovascular disease.<sup>3,4,5,6,7</sup>

### Easy-to-use immunoassay test

Chemstrip Micral test strips offer a fast, accurate, semi-quantitative test to help you identify patients at risk so you can intervene more effectively.

- On-site dipstick test with results in 60 seconds
- No 24-hour urine sample required
- 94% sensitivity and 94% specificity of radioimmunoassay
- Positive detection to 20 mg/L albumin\*
- Detection levels at negative, 20 mg/L, 50 mg/L, and 100 mg/L\*

\*Microalbuminuria is defined as 20-200 mg/L albumin in urine<sup>1</sup>



**FDA-cleared to aid in the detection of cardiovascular disease.**

# *One short minute that can make early detection and intervention easier*

Traditional lab-based MAU testing can involve a lot of time, paperwork, expense and patient inconvenience. With Chemstrip Micral test strips, you can run a one-minute dipstick test right in your office – an easy, accurate way to help you identify at-risk patients and prevent or delay the development of more serious medical conditions.

## Technical Specifications

<b>Catalog Number</b>	11544039160 (30 strips/vial)
<b>Measuring Time</b>	1 min (color stable to 5 min)
<b>Measuring Range</b>	1 to 100 mg/L (with detection levels at negative, 20 mg/L, 50 mg/L, or 100 mg/L)
<b>Sample Material</b>	Urine (preferably early morning urine)
<b>Urine Temperature Range</b>	10-37°C (50-99°F)
<b>Reaction Principle</b>	Immunoassay with gold-labeled monoclonal antibodies
<b>Stability</b>	Approximately 12-18 months if refrigerated at 2-8°C (or until expiration date), 6 months if stored at room temperature
<b>Interferences</b>	Cross reactions with other urinary proteins < 0.5%
<b>Interferences with Drugs</b>	No interference known except oxytetracycline (+15%)

## References

1. National Kidney Foundation: Kidney disease outcomes quality initiative clinical practice guidelines for chronic kidney disease: evaluation, classification and stratification. Am J Kid Dis 2007; 49 Suppl 2: S14-S18
2. American Diabetes Assoc.: Standards of Medical Care in Diabetes, Diabetes Care 2009; 32 Suppl 1: S33-S34
3. Hillege HL et. al.: Microalbuminuria is common, also in a nondiabetic, nonhypertensive population, and an independent indicator of cardiovascular risk factors and cardiovascular morbidity. J Intern Med 2001; 249:519-526
4. Eknoyan G. et. al.: Proteinuria and other markers of chronic kidney disease: A position statement of the National Kidney Foundation (NKF) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). Am J Kid Dis 2003; 42:617-22
5. Bigazzi R et. al.: Microalbuminuria predicts cardiovascular events and renal insufficiency in patients with essential hypertension. J Hypertens 1998; 16:1325-1333
6. Heart Outcomes Prevention Evaluation (HOPE) Study Investigators: Albuminuria and risk of cardiovascular events, death and heart failure in diabetic and nondiabetic individuals. JAMA 2001; 286:421-426
7. Jensen JS et. al.: Arterial hypertension, microalbuminuria and risk of ischemic heart disease. Hypertension 2000; 35:898-903

**For more information on Chemstrip Micral test strips, contact your local distributor, call 1-800-852-8766 or visit [www.poc.roche.com](http://www.poc.roche.com).**

**For additional technical information, call 1-800-440-3638.**