

# Microalbumin-SL

Routine screening for microalbuminuria is recommended by the American Diabetes Association as a marker for the early detection of diabetic nephropathy. Microalbuminuria refers to the persistent presence of a low, but higher than normal, concentration of albumin in the urine. Early detection of microalbuminuria combined with improved diabetes control, changes in lifestyle and medication may prevent the progression to overt clinical diabetic nephropathy.

DCL's Microalbumin-SL is provided as a two-part, stable liquid reagent ideal for most popular laboratory instrumentation. Utilizing immunoturbidimetry, it provides the analytical sensitivity and specificity required for detecting and monitoring the low levels of albumin found in microalbuminuria. This method is based on the quantitative measurement of agglutination caused by the reaction of goat anti-human serum albumin antibodies to human serum albumin present in the patient's urine sample. The resultant turbidity is measured bichromatically at 340 nm (primary) and 700 nm (secondary).

## Exceptional Performance

Accurate and precise results when they really count - at critical medical decision points.

- Correlation coefficient of 0.9984\*

## Precision of Microalbumin-SL (Within-Run)

	Low	Mid	High
N	20	20	10
Mean	5.31 mg/L	13.23 mg/L	50.47 mg/L
Standard Deviation	0.18 mg/L	0.28 mg/L	1.94 mg/L
CV %	3.5	2.1	3.8

## Convenience

Data on File

Both Antibody and Buffer Reagents are stable liquids and ready to run - no reagent preparation required.

## Flexibility

Depending on your lab's testing needs, DCL's Microalbumin-SL can be run with either a two-point or six-point calibration.

## Interference-Free Performance on Virtually All Urine Samples

- No known interference from urinary drug metabolites

This reagent is not affected by high levels of common urinary metabolites including ascorbic acid, glucose, uric acid, creatinine, creatine, calcium, sodium chloride, magnesium, potassium chloride, and urea.

## Microalbumin-SL

Dual vial, stable liquid, ready-to-use formulation, 12 month shelf life at 2-8° C

Cat. No. 252-20 Immunoturbidimetric, 4 x 20 mL + 2 x 10 mL  
Endpoint, 340 nm/700 nm

Cat. No. 252-25 Immunoturbidimetric, 1 x 250 mL + 1 x 85 mL  
Endpoint, 340 nm/700 nm

## Associated Products

Cat. No. SE-252 Microalbumin Multi-Calibrator Set 6 x 1 mL  
Cat. No. SM-252 Microalbumin Urine Control 2 (2 x 8 mL)

\*to similar methodology

252.1S  
1/2/02



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