

MicroalbuPHAN[®]

For objective
/ visual evaluation



Test strips for
semi-quantitative determination
of microalbuminuria

MicroalbuPHAN®

Clinical significance

Microalbuminuria diagnosed in time can prevent several health issues:

- Kidney damage
- Diabetic complications
- Cardiovascular diseases
- Risks affecting pregnant patients with diabetes

Main features

- Screening test
- Easy to use
- Economical solution
- Measurement of microalbuminuria and proteinuria using one single pad
- Measurement of creatinine for more precise evaluation of microalbuminuria

Technical benefits

- Simultaneous measurement of two related parameters: albumin and creatinine
- Wide measurement range: from 0.01 g/l to 5 g/l
- Quick results (within 1 min.)

Principle

Test strips MicroalbuPHAN® are designed for semi-quantitative measurement of microalbuminuria. In favour of a higher precision and more reliable evaluation, the strips carry a Creatinine pad too, besides the Albumin pad. Measuring principle of urine albumin content is based on the color change of an acid-base indicator, while that of urine creatinine content is based on the reaction of creatinine with 3,5-Dinitrobenzoic acid in alkaline medium.

Interpretation of results

Albumin¹ - Normal concentration of albumin in urine is <0.02 g/l.
Microalbuminuria is indicated in case of results 0.02 – 0.3 g/l

Creatinine² - Normal concentration of creatinine in urine is 2.2 -26.5 mmol/l

Albumin-to-Creatinine Ratio³ - Microalbuminuria is indicated in case the ratio of albumin to creatinine is 3.4 – 33.9 mg/mmol

¹ Burle, G.A., Ashwood E.P.: *Textbook of Clinical Chemistry 2nd Edition*, W.B. Saunders Comp., Philadelphia (1989)

² Neelamann, S.B., Porwaznik, M., Andez, D.: *J. Forensic Sci.* 37, 1125 (1992)

³ Sacks, D.B., Baum, D.E., Goldberg, D.E., Mackinnon, N.K., McDonald, J.M., Parrott, M: *Clin. Chem.* 40, 438 (1994)

Cat. nr.	Product	Qty
URPH0020	MicroalbuPHAN®	50 strips
URPH0029	MicroalbuPHAN® LAURA	50 strips

