

## Test strip for urine albumin and creatinine

# AUTION SCREEN

## Microalbumin / Creatinine



Ideal for early detection of pediatric nephrology  
and screening of diabetic nephropathy...

Early-stage kidney disorder with virtually no symptoms.

Early detection affects patient QOL (Quality of Life).

Simultaneous measurement of both microalbumin and creatinine enables early detection of kidney disease using voided urine.

# Microalbumin and creatinine correction enables highly reliable testing even with single-voided urine.

## Related products

Compact Urine Analyzer

PocketChem™UA

PU-4010



### -Features-

Highly-reliable testing, unaffected by urine dilution/concentration is even possible with single-voided urine. P/C ratio and A/C ratio items useful for kidney disorder screening.

Compact, yet full of functions including chromaturia compensation, temperature compensation and Specific Gravity compensation by pH.

Easy operation: just push the start key and load the test strips. The hassle from maintenance is kept to a minimum.

### Main device specifications

Measurement wavelength	3 wavelength LED
Measurement principle	Dual wavelength reflectance method (1 wavelength only for BLD)
Test strips	AUTION Sticks series, AUTION SCREEN
Throughput	50 tests per hour
Reaction time	60 seconds
Dimensions	124(W) × 81(D) × 36(H)mm
Weight	180g (without batteries)
Power source	2 size AA batteries or AC adapter (for use with printer)

### Printer specification

Dimensions	125(W) × 133(D) × 36(H)mm
Weight	180g (without paper)

## Interpretation of Test Results

Albumin

Conc.(mg/L)	10	30	80	150
-------------	----	----	----	-----

Creatinine

Conc.(mg/dL)	10	50	100	200	300
--------------	----	----	-----	-----	-----

Albumin/Creatinine ratio

Semiquantitative symbol	Re-analysis	normal	+1	+2
Conc.(mg/g)	—	<30	<300	>300

## Albumin/Creatinine ratio

1.unit : mg/g Cre (Albumin (mg/L)/Creatinine (mg/dL))×100

2.Calculation method : based on the chart below.

Albumin testing (mg/L)	Creatinine testing (mg/dL)				
	10	50	100	200	300
10	Re-analysis	normal	normal	normal	normal
30	+2	+1	+1	normal	normal
80	+2	+1	+1	+1	normal
150	+2	+2	+1	+1	+1

## Specification

Measurement sample	Urine (fresh urine, voided urine)
Measurement item	Albumin, creatinine, albumin/creatinine ratio
Reaction principle	Albumin :Dye-binding method Creatinine:Chelate competition technique
Reagent constitution	Albumin :4,5,6,7 - tetrachloro - 2',4',5',7' - tetraiodofluorescein disodium salt Creatinine:2,6-Dichloro-4'-hydroxy-3' 3'' -dimethyl-3-sulfofuchson-5',5'' -dicarboxylic acid (trisodium salt) Palladium(II)chloride
Measurement Range	Albumin:10~150mg/L Creatinine:10~300mg/dL
Reference standard range	Albumin:8.1±7.3mg/L Creatinine:0.5~1.5g/day Albumin/Creatinine ratio 7.3±6.1mg/g Cre
Required sample volume	approx. 5mL (dipping method)
Reaction time	60 seconds
Reaction temperature	Room temperature
Preservation conditions	1-30°C Room temperature/Avoid direct sunlight
Expiry	24 months

ARKRAY GLOBAL BUSINESS, INC.

Kyoto Miyuki Bldg. 10F, 689 Takanna-cho,  
Nakagyo-ku, Kyoto 604-8153, JAPAN

TEL +81-75-662-8967 FAX +81-75-662-8973

