

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 (trisoldium 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 |

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