

Dry Biochemistry Urine Analyzer

Urine Analyzer (ACA304)

Technical Specifications

Principle :	Photoelectric Colorimetry
Testing Speed :	600 tests/hour
Data Memory :	9999 Results
Strip Incubation Time :	1 minute
Light Wavelength :	460nm, 550nm, 620nm
Display :	7" LCD touch screen
Printer :	Built-in thermal printer
Connectivity :	LAN port, 2 USB ports, Type-C port, COM port, External WIFI (Optional)
Compatibility :	LIS
Working Condition :	10-30°C, RH< 85%, 86-106kPa
Operating Voltage :	AC100-240V, 50/60Hz
Weight :	6.5Kg
Dimensions(L/W/H) :	380mm * 330mm *170mm



ACA304

Urine Analyzer (ACA305)

Technical Specifications

Testing Principle :	Through reflection photometer to evaluate the color change of urinalysis strip, then calculate the concentration of related items and output semi-quantitative results.
Testing Wave Length :	460nm, 550nm, 620nm
Testing Speed :	1 minute for each test
Repeatability :	Coefficient of variation CV ≤1%
Stability :	During 8 hours of operation, Coefficient of variation CV ≤1%
Output Options :	Built-in 57mm thermal printer
LCD Screen :	5 inches
Report Storage :	Stores up to 10000 sets of results.
External Ports :	Type-c x1; USB x2
Charging voltage :	AC 100-240 V 50/60 Hz
Dimension :	211mm*100mm*51mm(L*W*H)
Power Supply :	Lithium battery pack: 3.7V 3000mAh 11.1Wh; Input: AC 100-240V 50/60Hz 0.5A; Output: DC 5V/3A
Weight :	560g



ACA305

Urine Analyzer ACA306

Technical Specifications

Parameter	Descriptions
Testing Principle	Reflection photometer
Testing Wave Length	460nm, 550nm, 620nm
Testing Speed	1 minute for each test
Repeatability	Coefficient of variation CV ≤1%
Stability	During 8 hours of operation, Coefficient of variation CV ≤1%
Output Options	Built-in 57mm thermal printer
LCD Screen	7 inches
Report Storage	Stores up to 10,000 sets of results.
External Ports	Type-c x1; USB x2; LAN x1
Adapter Input	AC100-240V 50/60Hz
Power Supply	DC 18V 2 A
Dimension	190·mm*169·mm*120·mm
Weight	<1kg



ACA306

Urinalysis Reagent Strips



▶ Product Information

Cat. No. : U031-01~14

Pack : 100 T

Measurement :

Qualitative / Semi-quantitative

Specimen : Urine

Read Time : 30 -120 seconds

Shelf life : 24 months

Storage Temperature : 2-30°C

- ▶ Option of equipment based or visual reading giving flexibility to the users.
- ▶ Crystal clear differentiation between different shades for accurate results.
- ▶ High quality color chart for easy interpretation.
- ▶ Good ascorbic acid anti-interference ability.
- ▶ Consistent results with least variations.
- ▶ Better liquid absorption overcoming dripping problems.
- ▶ ACR (mALB/CRE Ratio) available with urine analyzers.

▶ Clinical Significance

Parameter	Clinical Significance
Ascorbic Acid (ASC)	High levels of ASC affect the test results of other parameters, indicate re-testing.
Bilirubin (BIL)	Elevated BIL levels indicate different forms of liver disease such as hepatitis.
Blood (BLO)	Presence of BLO indicates a number of pathologies including kidney damage or urinary tract.
Glucose (GLU)	Presence of GLU provides diagnostic value for diabetes and acute renal failure.
Ketone (KET)	Elevated KET levels indicate diabetes, starvation, vomiting, and febrile states.
Leukocytes (LEU)	Presence of LEU indicates kidney or urinary tract infection or possibly a tumor.
Nitrite (NIT)	Presence of NIT indicates infection including urinary tract infection.
pH	Alkaline pH(>8) values suggest urinary tract infection.
Specific Gravity (SG)	Elevated SG levels indicate liver disease, excessive loss of free water, or congestive heart failure.
Calcium (CA)	Elevated CA levels indicate metabolic bone diseases like osteoporosis.
Creatinine (CRE)	Elevated CRE levels indicate different forms of renal disease
Protein (PRO)	Elevated PRO level is a frequent symptom in renal diseases.
Urobilinogen (URO)	Elevated URO levels may indicate disturbance of liver functions, cirrhosis, and viral hepatitis.
Microalbumin (ALB)	Elevated ALB levels indicate diabetic glomerular microangiopathy or diabetic nephropathy.