



CLINITEK Atlas™

Excellence in Automated Urinalysis - Productivity, Reliability, Flexibility, Ease-of-Use

A fully automated, benchtop instrument designed for high-volume urine testing, using Bayer Diagnostics' proven technology in dry-pad urine chemistry analysis.

Unique Reagent Format Simplifies Loading and Reduces Interruptions

- Continuous reagent roll offers high reliability of strip transport
- Load 490 tests at 1 time for optimized reagent replacement time
- Roll format minimizes reagent handling

True Calibration of All Analytes Provides Confidence in Results

- Liquid ready-to use calibration material ensures accuracy
- Minimizes lot variability

Easy to Learn and Operate

- Menu driven
- Simple keypad operation

Built-in Liquid Level Sensing Simplifies Sample Preparation

- Adjusts automatically to sample volume
- Pour any volume ≥ 2 mL without need for special steps or tubes
- Reduces time to prepare samples for testing

Adaptable to Laboratory Automation Systems

- Modular design facilitates track readiness

The Rack Sample Handler Offers

- Flexibility to accommodate a wide range of testing volumes. Load up to 200 samples at once
- Maximum productivity and fewer interruptions, with walkaway time of up to 53 minutes
- Easy transfer of sediment analyzer with racks that are compatible with the Sysmex UF-100™ Automated Urine Cell Analyzer

Product Specifications

CLINITEK ATLAS With Rack Sample Handler - General

Dimensions	Depth: 64.8 cm(25.5 in) Width: 72.4 cm(28.5 in) Height:66.0 cm(26.0 in)
Weight (instrument base only)	59.0 kg(130lb.)
Weight (sample handler only)	27.5 kg(61 lb.)
Power Requirements	120 V 50/60 Hz, 100 V 50/60 Hz, 220-240 V 50/60 Hz
Ambient Operating Temperature Rate	18°C to 30°C(64°F to 86° F)
Ambient Operating Humidity Rate	20% to 80% relative humidity
Compliance	UL, CSA, CE
Throughput	1 sample every 16 seconds
Printer	External

Sample Handling

Racks	Sysmex rack
Rack Capacity	10 samples per rack
Sample Loading Capacity	Up to 200 samples at one time(up to 20 racks)
Sample Tubes	Lipless, 16 mm wide/95-104 mm length
Sample Volume	Any volume from 2 mL to maximum fill of tube
Pipette	Precision impedance; ±1 µL accuracy
Rinse Cycle	Automatic pipette and SG well rinse between samples
Stat Sample Handling	Can be inserted during run; 1 stat in stat holder or up to 10 stats in rack
Bar Codes	Code 39, Interleaved 2 or 5, Codabar, Code 128

On-Board Computer

Memory	1000 patient records plus 200 calibration/control records
Interfaces	ASTM or mode to emulate Clinitek® 200+
Display	12 lines by 40 characters VGA display

Calibration

Method	Wet calibration with 1 or 2 point calibration for all reagents
Frequency	With every Reagent Pak change(or every 24 hours when multiple sample-lot Reagent Paks used within 24 hours)

Reagent Paks

Format	Roll or dry chemistry strips affixed to plastic support
Maximum Tests On-board	490
On-board Stability	14 days
Tests Measured by Dry Pad	Leukocytes, Ketones, Protein, Glucose, Nitrite, Occult Blood, Urobilinogen, pH, Bilirubin, Color, Creatinine*, Protein-Low*
Tests by Physical Determinations	Specific Gravity by refractive index method; clarity by measurement of transmitted and scattered light
Dry Pad Test Measurements	Color change measured by reflectance photometry. Dual readings at reactive and reference wavelength

*Available in 2002, may not be available in all countries

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If you want more information, please [contact us](#) or your local sales representative.