



**CLINITEK Atlas™**

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

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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  $\geq 2$  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

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### 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

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### 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

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### 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

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### 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)

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## 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.