



Innovative Auto-Checks for Quality and Workflow Improvements

CLINITEK Advantus Analyzer

The CLINITEK Advantus® Analyzer for urine chemistry testing offers flexible productivity for busy clinics, healthcare practices, and laboratories. Automatic strip reading, interpretation, and results documentation eliminates visual subjectivity and reduces the risk of errors.

It helps enable automated reading of the Multistix® family of urinalysis test strips—now with innovative automated quality checks (Auto-Checks). With a throughput of up to 500 urinalysis strips per hour, the CLINITEK Advantus Analyzer streamlines workflow and ensures consistent, high-quality results, even during peak periods.

CLINITEK® Analyzer and Multistix urinalysis test strips—the most widely used brands of urine analyzer and test strips worldwide.

Improved Data Integrity

- Analyzer delivers automated quality checks (Auto-Checks):¹
 - Identification and reporting only for validated Siemens strip types
 - Automatic error message if test strip is degraded from exposure to humidity (only available with test strips that have the leukocyte pad)
- Bar code data entry
 - Patient and operator
 - Strip lot number and expiration date¹
 - Clarity
 - Comments

Improved Quality Control

- User-defined QC testing protocol
- Automatically prompts laboratorians to perform QC testing
- QC lockout capability helps ensure compliance

Enhanced Productivity

- Always ready, instant start-up from standby mode
- Self-pacing — allows operator to load samples as needed
- Seven seconds per sample; up to 500 strips/hour

Flexible Operation to Meet Workflow Needs

- Automatically recognizes multiple Siemens strip types
- Downloads and prints load list from LIS
- Easily accommodates STAT testing
- Network ready
- Supports up to three different user-defined confirmatory flags

Microscopy Consolidation

- Automatically flags and prints sample ID reports for microscopy follow-up
- Allows manual entry of microscopy results
- Consolidated report can be printed and/or transmitted to the LIS or other data management system



1. Available with software version 3.0 or higher



Dip It Right!

It is important to continue to use the proper dipping and strip handling technique to optimize the testing processing:

Do not touch any of the test pads, including the ID bands.

Follow the proper dipping technique:

1. Dip strip in urine sample. Wet all pads.
Note: The ID band can be dipped if proper dipping technique is used.
2. Quickly remove test strip from sample.
3. Drag the edge of the strip against the side of the container rim to remove excess urine.
4. Place test strip onto the strip loading area of the analyzer.

CLINITEK Advantus Specifications

Overview

System Description	Semi-automated urine chemistry analyzer
Tests Measured	Leukocyte, Nitrite, Protein, Blood, Glucose, Ketone, Bilirubin, Urobilinogen, pH, Specific Gravity, Creatinine, Protein-to-Creatine Ratio
Automatic Measurement	Urine color
Test Format	Dry chemistry reagent strips
Test Measurement	Color change measured by reflectance photometry; Dual readings at reactive and reference wavelengths; Automatically adjusts for urine color
Sample Clarity	Results entered via keyboard or bar code reader
Automatic Checks (Auto-Checks)	– Identification and reporting for validated Siemens strip types – Humidity exposure tested on every strip with leukocyte pad

General

Dimensions	12.75 (h) x 15.75 (w) x 13.75 (d) in, 32 (h) x 39 (w) x 35 (d) cm
Weight	7.2 kg (16 lbs)
Power Requirements	100 V to 240 V; 50/60 Hz
Line Leakage Current	<0.5 mA in normal condition <3.5 mA in single fault condition
Maximum Power Input	72 VA
Ambient Operating Temperature Range	18°C to 30°C (64°F to 86°F)
Ambient Operating Humidity Range	20% to 80% relative humidity
Compliance	UL, CE, EMC
Calibration	Automatic with every strip

Test Handling

Sample Loading	Self-paced, not dictated by analyzer
STAT Sample Handling	One-touch STAT interrupt capability
Sample Processing	Single or batch mode, up to 500 strips/hour
Sample ID Entry	Manual, bar code, or downloaded from LIS

Onboard Computer

Memory	500 patient records plus 200 controls
Interfaces	ASTM (CCS) format and emulates CLINITEK 200+ and CLINITEK 500 analyzers
Display	Color LCD touch screen, 5.7 in (14.5 cm), 320 horizontal by 240 vertical pixels (QVGA)

Computer/Peripheral Interfaces

Ethernet Connection	10/100 Mbit, bidirectional
Onboard Printer	24-character thermal printer
Bar Code Reader	Codabar, Interleaved 2 of 5, Code 93, Code 128, UPC
Keyboard	External PC keyboard option/PS2 connection
External Printer	Printer interface: parallel port connector (25 pin)

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