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
Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcomes.

CLINITEK, CLINITEK Advantus, Multistix, and all associated marks are trademarks of Siemens Healthcare Diagnostics Inc. All other trademarks and brands are the property of their respective owners. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

### CLINITEK Advantus Specifications

**Overview**

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

**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

**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)

For more information on the Auto-Checks capabilities and quality control materials for optimal performance, go to www.usa.siemens.com/auto-checks

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**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.

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