

## Diagnostics

# CLINITEK Novus Automated Urine Chemistry Analyzer

Advancing Urinalysis Reliability and Productivity

[siemens-healthineers.com/urinalysis](https://siemens-healthineers.com/urinalysis)

### Improvements from CLINITEK Atlas® Analyzer to CLINITEK Novus® Analyzer

	CLINITEK Atlas Analyzer	CLINITEK Novus Analyzer	Benefit
Improved Productivity	Test assembled in a reagent roll format.	Test assembled in a cassette format.	Simplified and easy reagent loading. Resulting in minimal hands-on time.
	No RFID tag on reagent roll.	RFID tag on test cassette provides automatic entry of lot number and expiration date.	Reduces entry time and helps prevent data-entry errors.
	Throughput of 225 samples/hour (avg. 16 seconds/sample).	Throughput of 240 samples/hour (avg. 15 seconds/sample).	Faster processing and reporting of results to physicians.
Trusted Results	Measures hemoglobin only.	Digital camera measures both hemoglobin and nonhemolyzed (intact) red blood cells.	Improved ability to help identify clinical conditions (bladder cancer, UTI, kidney damage, etc.) that can cause blood in urine.
	Three reagents tested for dispense errors.	A minimum of six reagents tested for dispense errors.	Decreased likelihood of false-negative results due to dispense errors.
	No color correction.	Color correction For dark-colored urines, there is a compensational color correction mechanism for the BIL, BLO, CRE, GLU, KET, PRO, and URO pads.	Improved accuracy of result reporting and decreased likelihood of false-positive results.
	No humidity check.	Humidity check The digital camera takes a baseline image of the reagent strip. A pink color on the leukocyte pad indicates an overexposure to humidity, and the analyzer will not process the sample.	Improved accuracy of result reporting.
	No algorithm to reduce false-positive bilirubin results caused by interfering substances.	Patent-pending algorithm to reduce false-positive bilirubin results caused by interfering substances.	Improved accuracy of bilirubin result reporting.





	CLINITEK Atlas Analyzer	CLINITEK Novus Analyzer	Benefit
Service and Reliability	No cap detection.	Cap detection Onboard camera identifies presence of caps.	Reduced likelihood of pipette crashes, resulting in time and cost savings.
	Optical system includes a reflectance photometer, halogen lamp, fiber optic bundles, and lens.	Optical system includes a digital camera and LEDs.	Improved operator access to system interior and reduced need for periodic cleaning of optical bundles.
	Field service required to replace SG sensor.	User-replaceable SG sensor Improved interior design provides space for users to replace the SG sensors.	Increased system uptime resulting from user's ability to replace SG sensor when needed.
	Halogen lamp illumination system.	LED illumination system.	Longer life expectancy resulting in reduced cost and instrument downtime.
Ease of Use	Data storage consisting of 1000 patient results, 200 QC/calibrator results.	Data storage consisting of 7500 patient results, 200 calibration results, and 400 QC results.	Reduced frequency of data backup.
	Keypad and 12-line display user interface.	Customizable color touchscreen user interface.	Easier navigation with shorter operation time and reduced operator training time.

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