





# Urinalysis End-to-End Solutions

## Providing More than 75 Years of Urinalysis Leadership and Innovation

From the point of care to the central lab, Siemens Healthineers has performance-driven urinalysis solutions to meet your needs. The same reagent strip technology standardizes testing at every location. Providing early detection, monitoring, and management of diseases, Siemens Healthineers offers the widest range of urinalysis products on the market.

	 <b>CLINITEK Status<sup>+</sup> Analyzer</b> <b>CLINITEK Status<sup>+</sup> Connect Urinalysis System</b>	 <b>CLINITEK Advantus<sup>®</sup> Urine Chemistry Analyzer</b>	 <b>CLINITEK Novus<sup>®</sup> Automated Urine Chemistry Analyzer</b>	 <b>CLINITEK<sup>®</sup> AUWi<sup>™</sup> PRO Automated Urinalysis System</b>
<b>Setting</b>	Physician office Hospital POC Clinics Pharmacy Emergency department Urgent-care center	Small hospital Emergency department Central lab Urology clinic	Central lab Large urology clinic Reference lab	Central lab Reference lab
<b>Throughput</b>	60 seconds per test 2–5 min for hCG	7 seconds per strip	15 seconds per strip	45 seconds (including sediment)
<b>Test Menu</b>	Specific Gravity, pH, Protein (High/Low), Glucose, Ketone, Leukocytes, Bilirubin, Urobilinogen, Nitrite, Blood, Albumin, Creatinine, Albumin-to-creatinine Ratio (ACR), Protein-to-creatinine Ratio (PCR)	Specific Gravity, pH, Protein (High/Low), Glucose, Ketone, Leukocytes, Bilirubin, Urobilinogen, Nitrite, Blood, Creatinine, Protein-to-creatinine Ratio (PCR)	Bilirubin, Blood, Color and Clarity, Glucose, Ketone, Leukocytes, Nitrite, pH, Protein, Specific Gravity, Urobilinogen	Bilirubin, Blood, Color and Clarity, Glucose, Ketone, Leukocytes, Nitrite, pH, Protein, Specific Gravity, Urobilinogen
<b>Reagents</b>	Multistix <sup>®</sup> Reagent Strips, CLINITEST <sup>®</sup> hCG Test Cassette, CLINITEK <sup>®</sup> Microalbumin 2 Reagent Strips, Labstix <sup>®</sup> Reagent Strips, Uristix <sup>®</sup> Reagent Strips	Multistix products	CLINITEK Novus <sup>®</sup> 10 Cassette	CLINITEK Novus 10 Cassette
<b>Connectivity</b>	Connectivity to PC, LIS/HIS, EMR/EHR Ability to connect multiple devices (Siemens Healthineers and third party) via middleware platform Communication protocols: HL7, POCT1-A2 Data transmission via wireless, Ethernet, or serial connections	ASTM (CCS format) Serial port (RS232) Connectivity to host computer, LIS/HIS, EMR/EHR Ability to connect multiple devices (Siemens Healthineers and third party) via middleware platform	ASTM (CCS format) Centralink <sup>®</sup> Data Management System HL7	Single bidirectional interface (serial/TCP/IP) connecting data manager to LIS (ASTM/HL7)
<b>CLIA</b>	Waived	Moderately complex	Moderately complex	Moderately complex Loading/unloading by MLS
<b>Key Value Proposition</b>	<ul style="list-style-type: none"> <li>• Easy to use and CLIA-waived</li> <li>• Improved data integrity with Auto-Checks proprietary technology</li> <li>• Broad test menu</li> <li>• QC and operator lockout features</li> <li>• Flexible connectivity options</li> <li>• Trusted leader for over 75 years</li> </ul>	<ul style="list-style-type: none"> <li>• Easy to use</li> <li>• Enhanced productivity</li> <li>• Flexible patient data management and reporting</li> <li>• Microscopy consolidation with manual entry and user-defined flags</li> </ul>	<ul style="list-style-type: none"> <li>• Fully automated solution</li> <li>• Dry-pad urine chemistry for consistent results</li> <li>• Reagent cassette provides ease of use and traceability</li> </ul>	<ul style="list-style-type: none"> <li>• Dry-pad urine chemistry for consistent results</li> <li>• True walkaway capability</li> <li>• Fully automated urine chemistry and microscopy solution</li> </ul>

## Choosing the Right Solution

Siemens Healthineers is committed to helping you find the right solutions that are aligned with your long-term goals and objectives. Here are some key drivers for you to consider

when making purchasing decisions: immediate lab-quality results, improved operational efficiency, standardization, regulatory compliance, and favorable reimbursement.

		CLINITEK Status+ Analyzer	CLINITEK Advantus Urine Chemistry Analyzer	CLINITEK Novus Automated Urine Chemistry Analyzer	CLINITEK AUWi PRO Automated Urinalysis System
		CLINITEK Status Connect Urinalysis System			
Clinical	Specialty functions	Microalbumin ACR/PCR, hCG Several clinical studies and publications demonstrate the clinical benefits of early screening of kidney disease using ACR	Multistix PRO® Reagent Strips UA w/PCR	Trace/nonhemolyzed trace (NHT)—ability to detect intact RBCs	Publications demonstrate ability to detect UTI/reduce need for urine cultures <sup>1</sup>
	Short samples	Add sample with thin stem pipette	Add sample with thin stem pipette	2 mL	2.8 mL (manual mode) 4 mL (automated mode)
Operational	Number of samples per day (minimum)	No minimum	>20	40	50
	Number of samples per day (optimal)	N/A	20–75	40–500	75–500
	Frequency of samples being processed	Discrete: one sample at a time	Discrete or batch	Large batch	Large batch
	Automation needs	Semiautomated	Semiautomated	High-volume UA, no microscopy	High volume with microscopy
	Turnaround time	60 seconds to result	Load one sample every 7 seconds; 60 seconds to result; 500 samples/hr	15 sec	45 sec
	Labor requirements	Minimal: semiautomated and CLIA-waived with 8 seconds of hands-on time	Minimal: semiautomated, moderately complex	Automated (40 min walkaway)	Automated (1 hour walkaway)

1. Practical Laboratory Medicine. <http://dx.doi.org/10.1016/j.plabm.2016.04.001>

## Educational Resources

We have many educational resources available to assist you at the point of care. Visit the Mobile Resources section of [usa.siemens.com/poc](http://usa.siemens.com/poc) to download the Urinalysis App for your mobile device as well as educational product videos

on Siemens Healthineers POckit™ web application. Visit [usa.siemens.com/discover-pep](http://usa.siemens.com/discover-pep) to access individualized, competency-based education for you and your staff.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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Order No. A91DX-POC-170275-UC1-4A00 | 07-2017 | © Siemens Healthcare Diagnostics Inc., 2017

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