

Atellica DCA Analyzer

Diabetes testing, evolved.

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Building upon one of the industry's most trusted technologies for diabetes testing, the Atellica® DCA Analyzer is compact, portable, and fully customizable. It's time to evolve your diabetes management practice to better serve your clinical staff and patients.



POCcelerator® Data Management System

Atellica DCA Analyzer integrates into your POC Ecosystem™ Solution to increase productivity with automated remote monitoring, operator e-training, and data collection.

Built-in 1D/2D bar-code reader



BLUETOOTH printer

Enhance your efficiency by connecting and operating up to three modules with a single detachable display



Atellica DCA module

Freedom

Portable and scalable to meet demands of different clinical settings.



Atellica DCA module

Confidence

More built-in failsafe measures to complement 30 years of trusted performance.



Atellica DCA module

Better patient outcomes

Faster and more efficient, enabling you to optimize patient workflows in your busy practice.

Overview	
System Description	Point-of-care immunoassay analyzer
Quantitative Tests	Hemoglobin A_{1c} (whole blood) 4.0–14% (20–130 mmol/mol) ACR (urine) Albumin: 5–300 mg/L Creatinine: 15–500 mg/dL (1.3–44.2 mmol/L) Albumin-to-creatinine ratio (ACR): 1–2000 mg/g (0.1–230.8 mg/mmol)
Test Format	Self-contained immunoassay cartridges
Test Measurement	Automatic optical transmission
Test Results Units	Measured Parameters HbA _{1c} : %HbA _{1c} (NGSP/DCCT) and mmol/mol (IFCC) Albumin: mg/dL Creatinine: mg/dL or mmol/L Calculated Parameters ACR: mg/g or mg/mmol
Test Method	HbA _{1c} : monoclonal antibody agglutination reaction Albumin: monoclonal antibody agglutination reaction Creatinine: Benedict Behre chemical reaction
Time to Results	HbA _{1c} : 5 minutes ACR: 7 minutes
Sample Volume	HbA _{1c} : 1 µL whole blood; capillary or venous (K2 EDTA, Li heparin, Na citrate) ACR: 40 µL urine
Sample Prep	No pretreatment or pipetting required
Sample ID, Operator ID Entry	Optional, via touchscreen or built-in bar-code scanner
HbA_{1c} Blood Sample Hold Time	4 minutes
QC/Calibration	
QC Testing and Scheduling	QC can be run as a separate sample type. Flexible QC scheduling with options of none, reminders, or required QC. Optional lockout if QC schedule is not followed or QC fails.
Calibration	None required. Calibration data is embedded on a bar code on each cartridge.
User/Operator Access	Restricted, if desired, to prevent unauthorized use. Operator access levels can be defined locally or via a middleware solution.
Display	
Data Entry	Data can be entered via the removable handheld color touchscreen, integrated 1D/2D bar-code scanner, or optional external handheld bar-code scanner
Supported Bar-code Formats	1D: Code 39, Code 93, Code 128, CODABAR, ITF 2D: Aztec, DataMatrix, PDF417
Patient Trend Graph	Visualize patient HbA _{1c} results over time

Onboard Computer	
Storage Capacity/Memory	10,000 patient results 5000 QC results 10,000 operators
Data Export	USB Type C port for patient data export
Connectivity	
Connectivity Options	Integrated 2.4 GHz WI-FI connectivity with optional TLS encryption Wired ethernet connection with POC solution adaptor
WPA/WPA 2	WiFi security
Interface	POCT-1A
Peripheral Accessories	
External Printer	Connects to network printers or optional external wireless BLUETOOTH printer
General	
Dimensions	Analyzer (module + docked display): 28.67 cm H x 15.11 cm W x 26.06 cm D Module: 15.88 cm H x 15.24 cm W x 22.1 cm D
Scalability	Up to three Atellica DCA modules can be connected via BLUETOOTH to one display
Weight	Analyzer (module + display): 2.16 kg (4.76 lb) Module: 1.90 kg (4.20 lb)
Power Requirements	100–240 VAC; 50/60 Hz
Line Leakage Current	<3.5 mA in normal condition
Max Power Input	Cold state: 31 watts, 56 VA Ready state: 28 watts, 52 VA Analysis state: 33 watts, 58 VA
Operating Temperature	HbA _{1c} : 15–32°C ACR: 18–30°C
Operating Humidity	Analyzer: 10–90% noncondensing BLUETOOTH printer: 30–75% noncondensing
Altitude	0–3500 m (11,500 ft)
Safety	IEC/EN/UL/CSA 61010-1 IEC/EN/UL/CSA 61010-2-101
EMC Emissions/Immunity	IEC/EN 61326-1: Electrical equipment for measurement, control, and laboratory use—EMC requirements—Part 1: General requirements (including Class B conducted and radiated emissions for non-life-supporting equipment) IEC/EN 61326-2-6: Electrical equipment for measurement, control and laboratory use—EMC requirements—Part 2–6: Particular requirements - in vitro diagnostic (IVD) medical equipment Immunity compliance per IEC 60601-1-2 levels. Radio Equipment DIRECTIVE 2014/53/EU (RED)
Cartridge Room-temperature Stability	HbA _{1c} : 60 days ACR: 90 days
Available languages	Danish, Dutch, English, French, Finnish, German, Greek, Japanese, Italian, Norwegian, Portuguese, Spanish, and Swedish.

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. By constantly bringing breakthrough innovations to market, we enable healthcare professionals to deliver high-quality care, leading to the best possible outcome for patients.

Our portfolio, spanning from in-vitro and in-vivo diagnostics to image-guided therapy and innovative cancer care, is crucial for clinical decision-making and treatment pathways. With our strengths in patient twinning, precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the biggest challenges in healthcare. We will continue to build on these strengths to help fight the world's most threatening diseases, improving the quality of outcomes, and enabling access to care.

We are a team of 66,000 highly dedicated employees across more than 70 countries passionately pushing the boundaries of what's possible in healthcare to help improve people's lives around the world.

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