

System Simplicity for Expedient and Efficient Performance

Meet the DxC 500 AU Chemistry Analyzer — an easy-to-use analyzer that helps you to:



Optimize Your Operations: The DxC 500 AU analyzer delivers the efficiency you need to make the most of your busy day. An intuitive interface, clear task indicators, on-the-fly loading, and standardized assays & reagents make it easy to use, so your team can devote their energy where it's needed most.




Protect Your Productivity: We're delivering more uptime so you can deliver more results, faster. The DxC 500 AU analyzer offers continuous loading, no prep HbA1c testing, random access, rapid throughput, and minimal maintenance. That means more walk-away time for you to focus on other priorities.



Trust Your Results: Expect high-quality clinical results you can trust. The DxC 500 AU analyzer features standardized reagents and assays for consistently accurate results across your network. With our broad portfolio of high-performing Six-Sigma assays.

Why upgrade to the DxC 500 AU Chemistry Analyzer?

	UniCel DxC 600	AU480	DxC 500 AU
System Features			
Methodology	Spectrophotometry, potentiometry, and near infrared particle immunoassay	Spectrophotometry and potentiometry	Spectrophotometry and potentiometry
Throughput (tests per hour)	Up to 990 (including ISE and GLUCm Modular)	Up to 800 (including ISE)	Up to 800 (including ISE)
STAT	42 seconds	< 9 minutes	< 9 minutes
Dimensions (H x W x D)	5.2 x 5.2 x 3.4 ft / 1.6 x 1.6 x 1.0 m	4.0 x 4.8 x 2.5 ft / 1.2 x 1.5 x 0.8 m	4.0 x 5.1 x 2.5 ft / 1.2 x 1.5 x 0.8 m
Throughput per Footprint	56 tph/ft ² , 604 tph/m ²	67 tph/ft ² , 717 tph/m ²	63 tph/ft ² , 675 tph/m ²
Sample Processing	4 position racks Load up to 14 racks at one time with continuous loading	10 position racks Load up to 8 racks at one time with continuous loading, 22 sample positions in the STAT Table	7 position DxLAB sample racks Load up to 12 racks at one time with continuous loading*, 22 sample positions on the STAT Table
Replicate Testing	Yes	No	Yes, except ISEs
Reagent and Consumable Load on-the-Fly	Yes, Reagents only	No	Yes, Reagents and consumables
Sample Types	Serum, Plasma, Urine, CSF, Whole Blood	Serum, Plasma, Urine, CSF	Serum, Plasma, Urine, CSF, Whole Blood
Operating Software	QNX 6.4.1	Windows 10	Windows 10
Data Storage	Maximum of 150,000 results and 10,000 sample programs Up to 200 days of calibration data	100,000 patient samples Maximum of 100 points of calibration data per sample type per test	100,000 patient samples Maximum of 100 points of calibration data per sample type per test

Water Requirements	<p>Water consumption: 0.6 L/min peak flow rate, 16 L/hr minimum continuous flow rate</p> <p>Temperature: 59°F to 77°F (+15°C to +25°C)</p> <p>Water pressure: Deionized water entering the system must be 30–90 psi.</p>	<p>Water consumption: 0.6L/min (5-/60 Hz) maximum, average 20L/hr (50/60 Hz)</p> <p>Water demand: 0.6 L/minute maximum</p> <p>Water pressure: 0.49×105 to 3.92×105 Pa</p> <p>Conductivity: 2.0 µS/cm or les (water transmitted through a filter of 0.5 µm or less)</p>	<p>Water consumption: 20 L/hour maximum continuous flow rate</p> <p>Water demand: 0.6 L/minute maximum</p> <p>Temperature: 41°F to 83°F (5°C to 28°C)</p> <p>Water pressure: 0.49×105 to 3.92×105 Pa (7 psi to 57 psi)</p> <p>Conductivity: 2.0 µS/cm or less (water transmitted through a filter of 0.5 µm or less)</p> <p>Resistivity: > 0.5 MΩ·cm</p>
Minimum Sample Volume	3 µL	1.0 µL	1.0 µL
Minimum Dead Volume	20 µL (with adapter)	50 µL	50 µL
Quality Control	Up to 100 controls can be defined Maximum number of configurable chemistries is 175 per control	999 samples/index Maximum 300 indexes	200 control lots 1,000 control ranges can be defined
Calibration			
Setpoint Input Method	Floppy disk	Manual entry	2D barcode scan using handheld barcode scanner
Reagents & Consumables			
Onboard Reagent Positions	59 reagent cartridges + 6 modular chem 65 assays	76 bottles + 3 ISEs ~63 assays (based on typical test menu)	76 bottles + 3 ISEs ~63 assays (based on typical test menu)
Approximate Tests per Cartridge/Bottle	45 to 400	50 to 1960	50 to 1960
Approximate Tests per ISE electrode	6 months (K) 80,000 samples or 6 months (CALC)	40,000 samples or 6 months	40,000 samples or 6 months
Open Bottle Stability (Range)	7 to 90 days	7 to 90 days	7 to 90 days
Cal Frequency (Range)	1 to 30 days	1 to 90 days	1 to 90 days
Calibrator Levels	Single point, up to 6 levels	Single point, up to 6 levels	Single point, up to 6 levels
Onboard Dilutions	Yes, ORDAC/URDAC	Yes, Dilute/Condense	Yes, Dilute/Condense
Maintenance (minutes)			
Daily	Tech 0:00 / Total 0:00	Tech 6:00 / Total 19:00	Tech 6:00 / Total 19:00
Weekly	Tech 6:15 / Total 51:05	Tech 10:00 / Total 67:00	Tech 10:00 / Total 67:00
Monthly	Tech 11:00 / Total 27:45	Tech 55:00 / Total 61:00	Tech 55:00 / Total 61:00
Troubleshooting			
Onboard Troubleshooting	Online IFU	Online IFU	 Online IFU SimpleSolve Onboard Guide
Alerts	Audible with message	Audible with message	LED light with color coded tiles and message
Remote Diagnostics	PROService	PROService	DxS IntelliServe solution

Optimize your operations. Protect your productivity. Trust your results.
Start today at [BeckmanCoulter.com/DxC500AU](https://www.beckmancoulter.com/DxC500AU)

*24 racks fully loaded with 12 additional rack positions in the buffer area

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FL-554451 | 2023-12116

