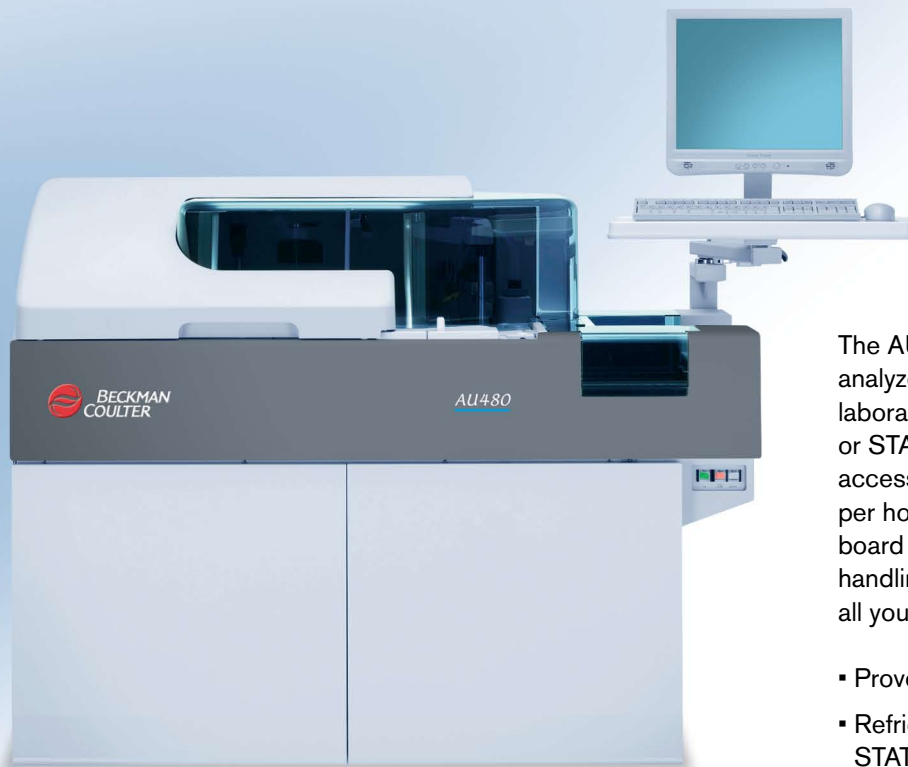


Compact, reliable and cost-effective

AU480 Clinical Chemistry System



The AU480 is ideal as a primary chemistry analyzer for small- to medium-sized hospitals and laboratories, or as a dedicated specialty chemical or STAT analyzer for larger institutions. With random access throughput of up to 400 photometric tests per hour (up to 800 with electrolytes), 63 on-board parameters tests and user-definable sample handling options, the AU480 delivers efficiency for all your lab needs.

- Proven reliability and low maintenance
- Refrigerated reagent compartment and STAT module
- High-quality, permanent glass cuvettes
- High-precision microsampling, ideal for pediatric testing
- Proprietary precision optics
- Long-life ISEs
- 80-sample continuous rack loader
- Plug-and-play calibration (2-D bar-code)

Chemistry
Lab Automation
Information Systems
Molecular Diagnostics
Immunodiagnosics
Centrifugation
Disease Management
Hematology
Hemostasis
Flow Cytometry
Primary Care

AU480 Clinical Chemistry System Specifications

Analytical System

Fully automated, random-access clinical chemistry with STAT capability

Analytical Principles

Spectrophotometry and potentiometry

Assay Types

End point, rate, fixed point and indirect ISE

Analytical Methods

Colorimetry, turbidimetry, latex agglutination, homogeneous EIA, indirect ISE

Simultaneously Processed Analytes

60 photometric tests + 3 ISE

Throughput

400 photometric tests/hour; maximum of 800 with ISE

Sample Types

Serum, plasma, urine, other

Rack Sampler

Racks with 10 samples each (bar-codes on primary tubes and on racks); capacity of 80 samples; continuous loading

Sample Tubes

Primary and secondary tubes; diameter from 11.5 to 16 mm; height from 55 to 102 mm; nested micro cups

STAT Samples

Up to 22 positions for STAT samples, bar-coded primary tubes

Sample Volume

1–25 µl in 0.1 µl increments (1–25 µl for repeats)

Reagent Supply

Refrigerated (4°C – 12°C); 76 positions for (R1+ R2, detergent position)

Reagent Volume

R1. 10–250 µl; R2. 10–250 µl; (1 µl increments)

Total Reaction Volume

90–350 µl

Reaction Cuvette

Permanent hard glass cuvette

Reaction Time

Up to 8 minutes, 37.5 seconds

Reaction Temperature

37°C

Photometric Range

0 – 3.0 OD

Wavelength

13 different wavelengths between 340–800 nm

Calibration

Auto calibration, cooled calibrator positions; master calibration established by two-dimensional bar-code

Quality Control

Auto QC, cooled QC positions

Test Requisition

Individual and profile test requisition online, mouse, function keys or optional touch screen

Safety

Clot detection and crash prevention for sample and reagent dispenser

Online

Full uni- and bi-directional communication possible

Software

Windows XP

Data Storage

Up to 100,000 patient samples

Dimensions (W x H x D) in

79 x 39 x 33 (2,000 x 1,000 x 840 mm) analyzer only

Power Supply

100–240 V; 60 Hz/ < 3.5 kVA

Water Supply information

Water Consumption: 20 L/hour

Water Type: Deionized CAP Type II, Bacteria Free, Continuous Flow Supply

Repeat Run

Automatic dilutions, also increase/decrease sample volumes, no operator intervention required

Reflex Testing

User defined

Automation Predilution

For Urine and other samples



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