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)
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

AU480 Clinical Chemistry System Specifications