

Your end-to-end solution  
for **time** and cost savings

## AU2700Plus Clinical Chemistry System



Creating greater efficiency for high to very-high volume laboratories, the AU2700Plus automates chemistry testing and provides extended walk-away time. Its outstanding performance in terms of quality, productivity, reliability and cost-efficiency demonstrates the capabilities that are unique to the AU systems family. This high-speed analyzer delivers true random access testing with up to 1600 photometric test results per hour (up to 2133 results with electrolytes) and up to 51 tests on board. Consolidate with the AU broad test menu to deliver excellent efficiency.

- New look and feel software
- Online maintenance videos
- Proven reliability and low maintenance
- Refrigerated reagent compartment and STAT module
- High-quality, permanent glass cuvettes
- High-precision microsampling
- Proprietary precision optics
- Long-life ISEs
- 300-sample continuous rack loader
- Twin sampling technology and twin cuvette wheel

Not available in the United States,  
Canada, or Latin America

# AU2700Plus Clinical Chemistry System Specifications

## Analytical System

Fully automated, random-access clinical chemistry system with STAT capability

## Analytical Principles

Spectrophotometry and potentiometry

## Assay Types

Endpoint, rate, fixed point and indirect ISE

## Analytical Methods

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

## Simultaneously Processed Analytes

48 photometric tests + 3 ISE

## Throughput

Up to 1,600 photometric tests/hour; ISE: 267 samples/hour

## Sample Types

Serum, urine, other

## Rack Sampler

Racks with 10 samples each (bar-codes on primary tubes and on racks); capacity of 300 samples; continuous loading

## Sample Tubes

In primary and secondary tubes; diameter from 11.5 to 16 mm; height from 55 to 102 mm

## STAT Samples

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

## Sample Volume

1.6–25 µl in 0.1 µl increments (1 µl for repeats)

## Reagent Supply

Refrigerated (4°C–12°C); 48 positions for R1; 48 positions for R2/Module

## Reagent Volume

R1: 15–250 µl; R2: 15–250 µl (1 µl increments)

## Total Reaction Volume

120–425 µl

## Reaction Cuvette

Permanent hard glass cuvette

## Reaction Time

Up to 8 minutes, 22 seconds

## Reaction Temperature

37°C

## Photometric Range

0–2.5 OD

## Wavelength

13 different wavelengths between 340–800 nm

## Calibration

Linear and non-linear (linear interpolation), refrigerated calibrator positions

## Quality Control

Auto QC, cooled QC positions

## Data Processing

Calculated parameters, blank value correction and correlation. Definition of normal value range, measuring range, pathological values and repeats. Quality controls, printout of abnormal values, pending sample work list and repeat run sample list

## Test Requisition

Individual and profile test requisition via 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 2000

## Data Storage

Up to 60,000 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 V; 110 V; 200 ; 210 V; 220 V; 230 V; 240 V; 50 Hz; 60 Hz/6 kVA

## Water Supply information

Water Consumption: 65 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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