

BioChem FC-120

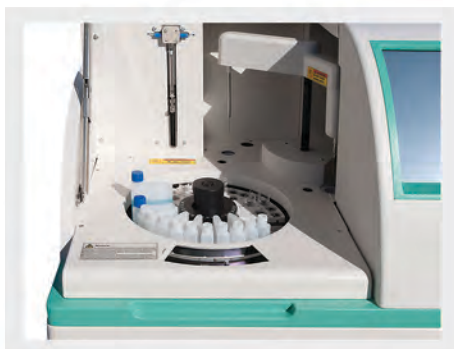
Automatic Chemistry Analyzer



Fully automatic random access chemistry analyzer specifically designed for small and medium sized laboratories

Preloaded applications for all HTI reagents, making simple for the lab user to run samples right away

Performs up to 100 photometric chemistry tests per hour on serum, plasma and urine



Product Specifications

<i>System Description</i>	Fully automated, random access chemistry analyzer
<i>Test Throughput</i>	Performs up to 100 photometric chemistry tests per hour on serum, plasma and urine
<i>Sample Throughput</i>	Up to 100 tests per hour
<i>Time to First Test</i>	BUN: 3 minutes Glucose: 5 minutes
<i>Disease-State Assay Groups</i>	Anemia, Autoimmune/Rheumatoid, Bone Metabolism, Cardiovascular, Diabetes, Hepatic Diseases, Inflammation, Nephropathies, Nutritional Assessment, Pancreatic Disease, Oncology, Reproductive Endocrinology

Sample Handling

<i>Sample Tubes</i>	Standard test tubes, original blood collection tubes, small sample cups
<i>Sample Wheel</i>	Up to 42 positions
<i>STAT Handling</i>	STAT samples are processed with priority
<i>Sample Integrity Control</i>	Short sample detection, flagging and management
<i>Auto-Repeat</i>	Auto-repeat testing from original sample
<i>Reaction Volume</i>	183-600 μ L
<i>Auto-Correction</i>	Sample blank, cell blank, reagent blank, pre-sample blank, auto-dilution
<i>Sample Volume</i>	3-45 μ L; 0.1 μ L increments
<i>Sample Probe</i>	Automatic probe cleaning, liquid level detection, and depth adjustment to eliminate cross-contamination
<i>Sample Carryover Prevention</i>	Automatic washing of the probe

Reaction Area

<i>Reaction Cuvettes</i>	90 disposable cuvettes
<i>Reaction Bath</i>	37°C \pm 1%
<i>Wavelengths</i>	340, 405, 450, 510, 546, 578, 630, 670
<i>Light Source</i>	12v-20W Halogen Quartz Lamp
<i>Assay Technologies</i>	Photometry, turbidimetric
<i>Test Types</i>	End point, two point, rate method

Reagent Handling

<i>Reagent Tray</i>	Up to 26 positions
<i>Dispensing System</i>	Shared by reagent and sample, with auto-wash between cycles, capacity of 200 μ L with preheating function
<i>Reagent Volume</i>	30-450 μ L, increasing by 1 μ L
<i>Average Reagent Volume</i>	Volume: 200 μ L - 450 μ L per test
<i>Reagent Integrity</i>	Optional barcode reader

Open System Capability

<i>Channels</i>	Complete open system, capable of performing up to 100 tests per hour
-----------------	--

Calibration/QC

<i>View Calibration</i>	Factor method, single-point, multi-point straight-line, multi-point fold line, double logarithmic curve and parabola calibration
<i>QC Data</i>	Graphics: QC plot (Levey-Jennings or histogram)

User Interface/Data Management

<i>Monitor</i>	Color LCD Touchscreen, 10.5"
<i>Operating System</i>	Microsoft® Windows™
<i>Processor</i>	AMD® Geode™
<i>Memory</i>	More than 100,000 test results, unlimited number of procedures and quality control
<i>Network</i>	Ethernet (RJ-45)
<i>Ports</i>	RS232, 2x USB, 2x PS2, LAN, LPT ₁
<i>Connectivity</i>	LAN, RS232, optional barcode reader

General Specifications

<i>Power Requirements</i>	100/240V, 50/60 VAC, 400VA
<i>Water Specifications</i>	Distilled water or deionized water
<i>Water System</i>	No water feed needed
<i>Maximum Water Consumption</i>	< 2 L/h
<i>Dimensions</i>	64 x 48 x 51 cm
<i>Weight</i>	Approximately 45 kg
<i>Language</i>	English, Spanish, French, Russian