



HTI BioChem FC-200

The HTI BioChem FC-200 is a random access, fully automated clinical chemistry analyzer, open system, capable of running up to 200 tests per hour with STAT capability and remote support for quick and easy troubleshooting.

With a refrigerated compartment for up to 40 reagents, automatic re-dilution and re-run of samples, HTI's BioChem FC-200 is ideal for busy labs that require walk-away operation.

Equipped with the latest technological features to improve speed and guarantee precision, this instrument is definitely ahead of the competition.

The user friendly software is displayed on a stunning high-resolution LED screen and runs on a powerful Intel CPU, with 500 GB of storage space and remote factory support capability (internet connection required).

Self-diagnostics, probe crash protection, liquid level detection, and depth adjustment are some of the many state of the art features packed into this revolutionary bench top instrument.

Part #: FC200-2000 (Computer included)



HIGH
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Quality Products for Healthcare Professionals

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HTI BioChem FC-200 Automatic Chemistry Analyzer



Product Specifications

System Description	Fully automated chemistry analyzer
Sample Throughput	Up to 200 tests per hour
Average Time to First Test	BUN: 3 minutes Glucose: 5 minutes
Disease-State Assay Groups	Anemia, Autoimmune/Rheumatoid Bone Metabolism, Cardiovascular, Diabetes, Drug Abuse/ Toxicology, Hepatic Diseases, Immunosuppressive Drugs/TDM, Inflammation, Nephropathies, Nutritional Assessment, Pancreatic Disease, Oncology, Reproductive Endocrinology, Thyroid

Sample Handling

Sample Tubes	Standard test tubes, original blood collection tubes, micro sample cups
Sample Wheel	40 (includes controls and standards)
STAT Handling	Not dedicated; STAT samples are processed with priority
Sample Integrity Control	Short sample detection, flagging and management
Auto-Repeat	Auto-repeat testing from the original sample
Reaction Volume	180-500 μ L
Auto-Correction	Sample blank, cell blank, reagent blank, pre-sample blank, auto-dilution
Sample Volume	3-45 μ L; 0.1 μ L increments
Sample Probe	Automatic probe cleaning, liquid level detection, and depth adjustment to eliminate cross-contamination
Sample Carryover Prevention	Automatic washing of the probe

Reaction Area

Reaction Cuvettes	81 disposable cuvettes
Reaction Bath	37°C \pm 1%
Wavelengths	340, 405, 450, 510, 546, 578, 630, 670
Light Source	12v-20W Halogen Quartz lamp
Assay Technologies	Photometry, turbidimetric
Test Types	End point, Fixed time, Kinetic

Reagent Handling

Reagent Tray	40 positions
Dispensing System	One probe with liquid level sensing
Reagent Disc	Disc can hold two different sized bottles (40ml and 18ml)
Average Reagent Volume	Volume: 180 μ L – 500 μ L per test
Reagent Integrity	Onboard tracking of tests remaining

Calibration/QC

View Calibration	Graphical display of calibration curves
QC Data	Graphics: QC plot (Levey-Jennings or histogram)

User Interface/Data Management

Monitor	High-Res LED (1600 x 900 dpi)
Operating System	Microsoft® Windows™
Processor	Intel® Pentium™
Data Storage	500 GB
Memory	More than 100 procedures, an unlimited number of test results and quality control chart
Software	Construction of the reaction curve in real time, 3 levels of quality control, more than 10 calibration equations
Network	Ethernet, Wireless
Ports	RS232C
Connectivity	Remote Factory Support Capability (internet connection required), optional barcode reader

General Specifications

Power Requirements	100/240V, 50/60 VAC, 400VA
Water Specifications	Distilled water or deionized water
Water System	No water feed needed
Maximum Water Consumption	< 3.5 L/h
Dimensions	80 x 60 x 65 cm
Weight	Approximately 80 kg
Language	English, Spanish, French, Russian