

## HTI BioChem FC-360

The HTI BioChem FC-360 Automatic Chemistry Analyzer is a high performance system designed for busy labs that require high throughput and completely walk-away functionality.

HTI's FC-360 is ideal for clinical chemistry, immunology, electrolytes and drug monitoring. The device uses a dual beam optical measurement and features an on-board reagent cooling system, continuous sample entry and automatic re-dilution of samples. The analyzer performs an average of 300 tests per hour.

Preprogrammed assays offer unlimited open channels. The device's scrubber is effective at washing and drying trays leaving them ready for new reactions.

ISE module is available as an optional feature.

Part #: FC-360-3000, FC-360-3000-1



Sample & Reagent tray



Probe with liquid detection system



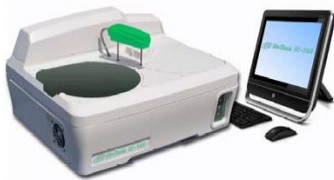
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# HTI BioChem FC-360 Automatic Chemistry Analyzer



## Product Specifications

<b>System Description</b>	Fully automated random-access chemistry analyzer with STAT capability with optional barcode reader (BCR)
<b>Test Throughput</b>	Max: 360 tests per hour Average: 300 tests per hour With ISE (optional): 500 tests per hour
<b>Time to First Test</b>	Glucose: 5 min BUN: 2 min ISE: 60 seconds (optional)
<b>Assays Onboard</b>	60 + 4 ISE (optional)
<b>Disease-State Assay Groups</b>	Anemia, Autoimmune/Rheumatoid Bone Metabolism, Cardiovascular, Diabetes, Drug Abuse/ Toxicology, Hepatic Diseases, Immunosuppressive Drugs, Inflammation, Nephropathies, Nutritional Assessment, Pancreatic Disease, Oncology (DOA, TDM)

## Sample Handling

<b>Sample Tubes</b>	Primary and secondary tubes; diameter from 12 to 13mm; height from 56 to 100mm. Sample cups for pediatrics
<b>Sample Wheel</b>	60 sample positions, continuous loading; Bar Code Reader (optional)
<b>STAT Handling</b>	Not dedicated; STAT samples are processed with priority
<b>Sample Integrity Control</b>	Low Volume Flag
<b>Auto-Repeat</b>	Auto re-dilution and re-testing of samples
<b>Sample Volume</b>	It depends on the reagent application: Glucose: 3 µL AST: 25 µL ISE: 50 µL (optional)
<b>Sample Carryover Prevention</b>	Internal and external washing of probe between cycles

## Reaction Area

<b>Reaction Cuvettes</b>	100 PMMA washable, reusable reaction cuvettes
<b>Reaction Bath</b>	Air; incubation temperature 37°C
<b>Optical Path</b>	6mm
<b>Photometer</b>	Uses 10 filters, an 11 <sup>th</sup> can be added (optional): 340, 380, 405, 450, 505, 546, 578, 600, 650, 700 nm
<b>Light Source</b>	12V-20W Halogen Quartz lamp
<b>Assay Technologies</b>	Colorimetry, turbidimetric, latex agglutination, homogeneous EIA, indirect ISE (optional)

## Reagent Handling

<b>Reagent Tray Capacity Onboard</b>	60 refrigerated positions + 4 ISE (optional)
<b>Dispensing System</b>	Probe with level and shock (x + y) sensors, level detection and crash prevention systems
<b>Average Reagent Volume</b>	Volume: 200 µL – 300 µL per test
<b>Reagent Integrity</b>	Onboard stability check, low volume flag
<b>Test Capacity Onboard</b>	100,000 database
<b>IMT (Integrated Multi-Sensor Technology)</b>	
<b>Measurement Type</b>	Monochromatic/ Bichromatic
<b>Sample Volume</b>	2 – 200 µL
<b>Calibration/QC</b>	
<b>View Calibration</b>	Graphical display of calibration curves
<b>QC Data</b>	Graphics: QC Levey-Jennings plot, RealTime QC

## User Interface/Data Management

<b>Monitor</b>	High-Res LED (1600 x 900 dpi)
<b>Operating System</b>	Microsoft® Windows™
<b>Processor</b>	Intel® Pentium™
<b>Data Storage</b>	500 GB (minimum 100,000 tests)
<b>Network</b>	Ethernet, Wireless
<b>Interface</b>	RS232C
<b>Connectivity</b>	Remote Factory Support Capability (internet connection required)

## General Specifications

<b>Power Requirements</b>	100/240V, 50/60 VAC, 400VA
<b>Water Specifications</b>	DI Water Conductivity < 3.0 µS/cm; Bacterial content: <10 colony forming units/ml
<b>Water System</b>	No water feed needed
<b>Maximum Water Consumption</b>	1.2 L/h
<b>Dimensions</b>	79 x 60 x 50 cm
<b>Weight</b>	Approximately 55 kg
<b>Language</b>	English, Spanish, French, Portuguese, Chinese, Russian and Hungarian