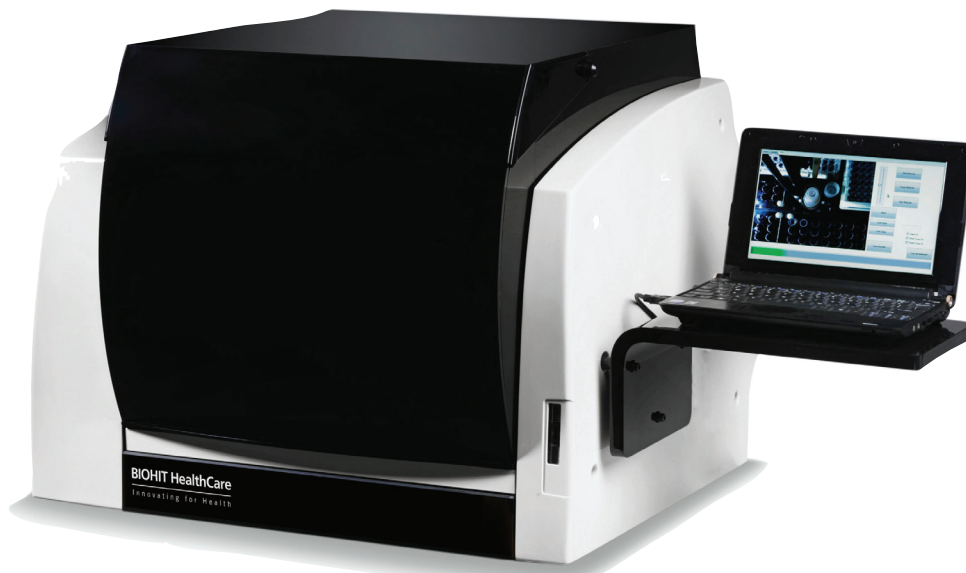


Biohit HealthCare

# Automated Immunoassay Analyzer



Provides a compact, cost-efficient and completely open system to automate the Biohit HealthCare GastroPanel or any other EIA assays.

## Featuring

- Fully open system
- Cost efficient with no hidden costs
- Up to 8 assays simultaneously
- Intelligent racks providing 192 sample positions
- Integrated bar code reader
- 16 custom reagent positions
- Smallest footprint of any comparable instrument
- Consistent, accurate and reliable results



## Unique Features

Intelligent Racks	Automatic sample location management.
System Architecture	Open, fully customizable.
High Precision Micro-Syringe	Aspirate 1µl with less than 3% CV.
On-board Reader(s)	Spectrophotometer, or Spectrophotometer+Fluorescence Combo Reader.
Forced Convection Incubator	Evenly heats using forced air to eliminate "Edge Effect".
On-board Camera	Probe-mounted camera allows remote troubleshooting.
Sliding Sample Tray	Easy loading and unloading of samples.
Built-in Barcode Reader	Streamline loading and decrease sample tracking errors.
Orbital MTP Shaker	Better adherence to assay protocols, no splash.
Small Footprint	Fits on a 60cm deep standard laboratory bench.

## Technical Specifications

Sample Capacity	192 patient sample positions
Reagent Positions	16 custom reagent positions
Test Tube Size(s)	Standard 12, 13, 16 mm diameter, up to 100 mm tall
MTP Positions	2 positions
Pre-dilution MTP Positions	1 position
Well-Tracking	Independent well tracking and timing
Wash bottles	2 external wash bottles
Probe/Needle	Single probe, dual needle
Dispense Volume	Up to 500 µl
Aspiration Volume	1 µl
Incubation Temperature	Up to 40 °C
Photometer Wavelengths	405, 450, 490, 550 and 630 nm wavelengths standard
Chemiluminescence Photomultiplier Tube (PMT)	Detection type: glow, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades (optional add-on).
Orbital MTP Shaker	Amplitude: 1mm, Speed: Up to 900 RPM, Capacity: 3 MTP (2 reaction, 1 pre-dilution)
Power Supply	120-265V, 50-60Hz
Dimensions	W: 64 cm, D: 57 cm, H: 45 cm (W: 25.2 in, D: 22.5 in, H: 17.7 in)
CE Listed	Yes

## Software Specifications

Protocol Designer	Fully open and highly configurable Test Designer
Calculations	Point to point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, Lin-Log, Log-Log representation
LIS Integration	Bi-directional, RS232, USB, TCP/IP
User Interface	MS Windows Graphical User Interface (Windows 7)

