

The PANTHER System: Automation Designed to change Your Molecular World

Full automation with walkaway freedom.
Random access for maximum productivity.
Intuitive design for ease of use.

UNLEASHING THE POWER AND SIMPLICITY OF CLINICAL CHEMISTRY/IMMUNOASSAY AUTOMATION FOR MOLECULAR DIAGNOSTICS. THE PANTHER SYSTEM HAS BEEN DESIGNED TO MAXIMIZE LAB EFFICIENCY AND SPACE UTILITY:

▶ **MAXIMUM PRODUCTIVITY**

- Random access
- Optimized workflow and throughput
- STAT test prioritization
- Multiple tests from a single sample
- Consolidated platform

▶ **MINIMAL HANDS-ON TIME**

- Fully automated from sample to result
- Primary tube sampling
- Bi-directional host interface for automatic download of sample test requests
- True walkaway freedom

▶ **FLEXIBILITY**

- Continuous access to samples, reagents and consumables
- Endpoint and real-time TMA assays
- Remote service
- On-demand sample processing
- Load-and-go with unattended results processing



▶ EASE OF USE

- Intuitive software with a guided, task-driven interface
- Customer-driven design
- Stored calibration and controls

▶ CONFIDENCE IN PERFORMANCE

- Process controls
- Positive sample identification (PosID)
- Liquid level detection
- Reagent dispense verification
- Radio frequency identification (RFID) tags on fluids
- Automated inventory tracking
- Quality control reporting



The next step in
the evolution
of **molecular diagnostics**

With a streamlined design and superior efficiency, the new PANTHER™ System* provides fully automated, high-throughput testing for molecular diagnostics. And its compact footprint makes it easy to unleash its power in a wide range of laboratory settings.

PHYSICAL SPECIFICATIONS

Specifications subject to change, product still under development.

SAMPLE THROUGHPUT

3.5 hours to first result
275 samples processed in 8 hours
500 samples processed in 12 hours

SAMPLE CAPACITY

120 sample tubes in 8 racks with continuous access

REAGENT CAPACITY

1 reagent kit per lane
4 lanes available to load assay specific reagents
2000 test on-board universal fluids capacity

WASTE CAPACITY

The PANTHER System can process up to 500 tests before unloading waste

COMPONENT DIMENSIONS (W x D x H)

PANTHER System	122 cm (48 in) x 81.5 cm (32 in) x 175 cm (69 in)
UPS (Optional)	21.4 cm (8.4 in) x 41.0 cm (16.1 in) x 32.5 cm (12.8 in)

CLEARANCE REQUIREMENTS

PANTHER System	183 cm (6 ft) minimum width	91.4 cm (3 ft) front clearance for drawer access
	244 cm (8 ft) recommended width	198 cm (6.5 ft) vertical clearance

WEIGHT

PANTHER System	300 kg (661 lbs)
UPS (Optional)	34.5 kg (76 lbs)

SAMPLE TUBE BARCODE TYPES

Code 39, Code 93, Code 128 (ISBT 128), Interleaved 2 of 5, Codabar, Jan 13, UPC

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature	15 - 30 °C
Relative Humidity	20 - 85%

ELECTRICAL REQUIREMENTS

Electrical Input	100-230 +/- 10% VAC, 50-60Hz, single phase
Current Input	Minimum of 15 amp circuit (dedicated) 20 amp circuit (dedicated) if used with optional UPS
Current Draw	Instrument and ancillaries draw 1400 watts peak - 100 VAC circuit draws 14 amps - 230 VAC circuit draws 6 amps

ENVIRONMENTAL OUTPUT

Heat Dissipation	550 watts (1878 BTU/hour) during steady state
Drain Output	None: waste fluids drain to removable containers

*SYSTEM IN DEVELOPMENT; NOT AVAILABLE FOR *IN VITRO* DIAGNOSTIC USE AT THIS TIME.



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