

Panther® System

The foundation for assay consolidation,
future scalability and growth.

Value to your lab



LABOUR SAVINGS

Broad assay menu on a single platform allows consolidation and the ability to run more tests per FTE

Full automation allows samples to be loaded at the end of the day and run labour free after hours

Ability to **run multiple test orders** from the same patient sample at the same time expedites results

Ability to load **primary sample tubes** eliminates manual transfer of specimen

Flexible sample loading provides control over workflow by either random access or batch processing



TIME SAVINGS

Programmable/automated maintenance allows tasks to run labour free during non-operational hours

STAT samples can be loaded at any time, allowing urgent samples to be prioritised

Specialised reports to automate tracking and trending of QC and results: Levey-Jennings, Prevalence Reports, Sample History Report, Sample Curve Report and Maintenance Checklist



COST SAVINGS

Small footprint gives labs the ability to run more tests per m² and options for scalability and redundancy

Consolidation of platforms reduces LIS connection costs, streamlines tech training and competencies

Consumables designed to reduce waste (tubes vs plate) and included in price-per-test provides transparency

Liquid waste is non-hazardous and does not require special handling

QC only required every 24 hours, or with a new kit, reducing time and costs



The Panther® system has been revolutionising molecular testing since 2010 by providing labs with the ability to consolidate their assay menu on a fully-automated system with proven performance and features that drive value and enable tangible and immediate savings.

PANTHER®

Assay menu

| | | |
|------------------|----------------|-----------------------|
| ■ HIV-1 Quant Dx | ■ HPV 16 18/45 | ■ TV |
| ■ HCV Quant Dx | ■ CT/NG | ■ HSV 1 & 2 |
| ■ HBV Quant | ■ CT | ■ Bacterial Vaginosis |
| □ CMV* | ■ NG | ■ Candida/TV |
| ■ HPV | ■ MG | |



| Specifications | | |
|-----------------------------------|---|---|
| Time-to-first result | 2.7 - 3.5 hrs | |
| Sample throughput | Up to 275 - 320 samples processed in 8 hrs with the ability to process up to 750 in 16 hrs | |
| Sample capacity | 120 sample tubes on board with continuous access; 8 racks of 15 tubes each | |
| Reagent capacity | 4 assay kits of any combination may be loaded at once, up to 1,000 test capacity; universal fluids up to 2,000 tests on-board | |
| Waste capacity | 750 tests | |
| Component dimensions | Panther system: | 122 cm W x 81.5 cm D x 175 cm H |
| | UPS (optional): | 21.4 cm W x 41 cm D x 32.5 cm H |
| Weight | Panther system: | 363 kg |
| | UPS (optional): | 34.5 kg |
| Sample tube | Barcode types: | Code 39, Code 93, Code 128 (ISBT 128), Interleaved 2 of 5, Codabar, JAN13, NW7, UPC |
| | Tube size: | 12 x 75 mm to 16 x 100 mm (including 13 x 75 mm, 13 x 100 mm, 16 x 75 mm, 13 x 82 mm) |
| Environmental requirements | Ambient temperature: | 15°C - 30°C |
| | Relative humidity: | 20% - 85% |
| Electrical requirements | Electrical input: | 100 - 240 +/- 10% VAC, 50 - 60 Hz, single phase |
| | Current input: | Minimum of 15-amp circuit (dedicated); 20-amp circuit (dedicated) if used with optional UPS |
| | Current draw: | Average: 700 W, Peak: 1400 W • 100 VAC circuit draws 13 amps • 240 VAC circuit draws 5.4 amps |
| System output | Heat dissipation: | 550 watts (1878 BTU/hr) during steady state |
| | Liquid waste: | Waste fluids drain to removable containers |



Random access enables loading samples with any test, any time eliminating batch constraints and decreasing turnaround time.



Multi-test swab allows the ability to run 4 different assays (up to 7 targets) from 1 patient sample simultaneously. Utilise the penetrable cap to avoid manual uncapping and recapping of tubes and minimise contamination.