

# 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

**Small footprint** gives labs the ability to run more tests per m<sup>2</sup> and options for scalability and redundancy



### COST SAVINGS

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



Specifications	
<b>Time-to-first result</b>	2.7 - 3.5 hrs
<b>Sample throughput</b>	Up to 275 - 320 samples processed in 8 hrs with the ability to process up to 750 in 16 hrs
<b>Sample capacity</b>	120 sample tubes on board with continuous access; 8 racks of 15 tubes each
<b>Reagent capacity</b>	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
<b>Waste capacity</b>	750 tests
<b>Component dimensions</b>	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
<b>Weight</b>	Panther system: 363 kg UPS (optional): 34.5 kg
<b>Sample tube</b>	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)
<b>Environmental requirements</b>	Ambient temperature: 15°C - 30°C Relative humidity: 20% - 85%
<b>Electrical requirements</b>	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
<b>System output</b>	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.