



Panther Fusion®

Adds flexibility, capacity and expanded menu, plus the ability to run laboratory developed tests.

Value to your lab



LABOUR SAVINGS

Up to 32 assay reagent kits on board, which allows assay consolidation on a single platform

Ready-to-use reagent cartridges reduces manual preparation and operator errors

Sample throughput up to **500 tests in 8 hours** increases test volume in a shift without increasing staff

Minimal hardware/software changes allow additional testing without extensive retraining or SOP updates



TIME SAVINGS

Open Access™ functionality provides full automation to run laboratory developed tests with IVDs

Time-to-first result at 2.4 hours allows patient results to release sooner, improving turnaround time

Add on **additional IVD menu** without disrupting existing workflow



COST SAVINGS

Run up to **3 PCR reactions** from a single (360µL) patient extraction, reducing extraction time and costs

60-day onboard stability of reagents and fluids minimises reagent waste for better cost management

Utilise existing Panther® system LIS connection for Panther® Fusion assays, reducing LIS costs

In-lab upgrade increases test volumes, throughput and menu without replacing equipment or infrastructure



Run both PCR and TMA assays on a single, fully-automated platform to consolidate testing, increase walkaway time and enhance flexibility to grow your lab's efficiency.

PANTHER
FUSION®

Assay menu

PANTHER FUSION®

- Flu A/B/RSV
- Paraflu
- AdV/hMPV/RV
- Bordetella
- MRSA
- GBS
- GI Panels*
- Open Access

PANTHER®

- 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	
Time-to-first result	2.4 hrs
Sample throughput	With Panther Fusion PCR assays run 335 tests in 8hrs and when combined with Aptima® assays run up to 500 tests in 8 hrs, with the ability to run up to 960 tests in 16 hrs.
Sample capacity	120 sample tubes onboard with continuous access; 8 racks of 15 tubes each
Reagent capacity	Panther Fusion system: up to 28 cartridges, each with 12 reactions per cartridge for a total of 336 tests. Panther system: up to 4 assay kits, 100 or 250 per kit, for a total of up to 1,000 tests. Ability to load and reload cartridges and kits as needed.
Waste capacity	750 tests
Component dimensions	Panther Fusion system: 193 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 Fusion module: 211 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 Specimen size: 12 x 75 mm to 16 x 100 mm (including 13 x 75 mm, 13 x 100 mm, 16 x 75 mm, 13x 82 mm)
Environmental requirements	Ambient temperature: 15°C - 30°C Relative humidity: 20% - 85%
Electrical requirements	Electrical input: 190 - 240 VAC, 50 - 60 Hz, 1800 VA single phase Current input: 15-amp circuit (dedicated), 20-amp circuit (dedicated if used with optional UPS) Current draw: Instrument and ancillaries draw 1000 W steady state, 1600 W peak • 190 VAC circuit draws 8.5 amps peak • 240 VAC circuit draws 6.7 amps peak
System output	Heat dissipation: 1000 W (3412 BTU/hr) during steady state



The Panther Fusion module is an in-lab upgrade to the Panther system.



Capacity up to 32 kits (28 Panther Fusion kits + 4 Aptima kits), allows flexibility for assay consolidation on a single platform.