



## 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
- Paraflo
- 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	
<b>Time-to-first result</b>	2.4 hrs
<b>Sample throughput</b>	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.
<b>Sample capacity</b>	120 sample tubes onboard with continuous access; 8 racks of 15 tubes each
<b>Reagent capacity</b>	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.
<b>Waste capacity</b>	750 tests
<b>Component dimensions</b>	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
<b>Weight</b>	Panther system: 363 kg Fusion module: 211 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 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)
<b>Environmental requirements</b>	Ambient temperature: 15°C - 30°C Relative humidity: 20% - 85%
<b>Electrical requirements</b>	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 <ul style="list-style-type: none"> <li>• 190 VAC circuit draws 8.5 amps peak</li> <li>• 240 VAC circuit draws 6.7 amps peak</li> </ul>
<b>System output</b>	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.