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®

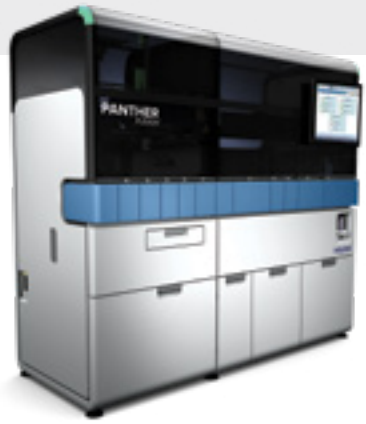
Assay menu

WOMEN'S HEALTH

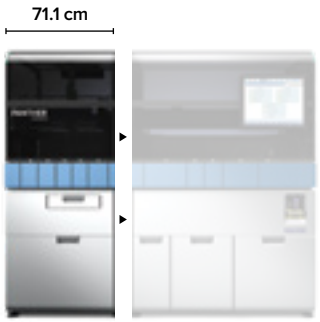
- CT/NG
- *Mycoplasma genitalium*
- *Trichomonas vaginalis*
- Bacterial vaginosis
- Candida vaginitis/ *Trichomonas vaginalis*
- HSV 1 & 2
- HPV
- HPV 16 18/45
- Group B Strep

INFECTIOUS DISEASE

- HIV-1 Quant Dx
- HCV Quant Dx
- HBV Quant
- Flu A/B/RSV
- Paraflu
- AdV/hMPV/RV
- MRSA
- SARS-CoV-2*
- SARS-CoV-2/Flu A/B*
- SARS-CoV-2/Flu A/B/RSV†
- CMV†
- GI Bacterial†
- GI Expanded Bacterial†
- GI Viral†
- GI Parasite†



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.

*These tests have been authorized by Health Canada under an EUA for use by authorized laboratories; The Aptima and Panther Fusion SARS-CoV-2 assays have been authorized only for the detection of nucleic acid from SARS-CoV-2, not for any other viruses or pathogens; The Aptima SARS-CoV-2/Flu assay has been authorized only for the simultaneous qualitative detection and differentiation of nucleic acid from SARS-CoV-2, Flu A, and Flu B, and not for any other viruses or pathogens.

† In development and not for sale.