

Procleix® Panther® System
Featuring ART

Innovation that Empowers.
Customization. Flexibility. Automation.

SCREENING

The needs of your lab evolve

Grifols understands you may face evolving needs in your lab. Workflows and routines change over time. In addition, limited resources can impact efficiency, reliability, and safety.

These challenges can be overcome with custom-configured automation solutions designed to make your lab procedures more efficient, so you can do what you do best — provide reliable and timely results.

Prioritize the way you work

The Procleix Panther system features Automation Ready Technology (Panther ART), which supports labs in their movement towards next-level workflow automation.

The Panther ART is designed to allow donor screening labs to optimize variable workflow needs by offering customization with easy, scalable options that help transform the way you work as your lab needs evolve.

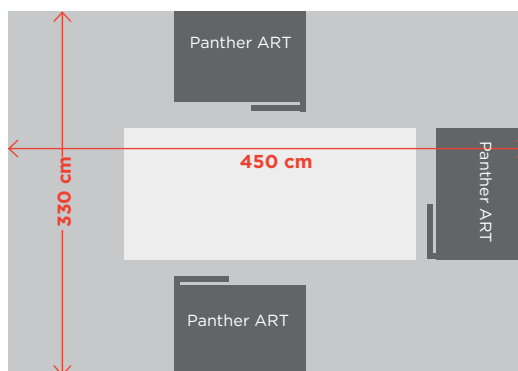
Optimize Your Lab

- Continuous loading, testing, and release of results
- 24-hr calibration
- No end controls
- Up to 4 assays for the same sample

On-demand waste management



Small footprint allows built-in redundancy



Continuous loading, testing, and release of results



Continued innovation with Panther

Enhanced standard features for today's lab

Panther ART provides added features that help optimize laboratory workflows and run-time.

Base Model

High-sensitivity touchscreen monitor

- Larger, high-sensitivity touchscreen monitor with improved ergonomics provides sharp, crisp images, and easy touch for operators wearing gloves

Enhanced system reliability

- Improved software and hardware performance with Windows 10 OS and multiple system optimizations

On-demand access when you need it

- **Donor samples and reagents** – load and unload at any time
- **Waste management** – minimize prep time and remove start/stop conditions when emptying liquid and solid waste. Also available during assay processing without interrupting testing
- **Universal Fluids** – replace fluids at any time with improved layout for effective management; up to 750 tests for solid and liquid waste capacity

Pre-cut panels

- Easier installation of optional features in the lab

TRUE STAT
3.5 hrs



Options for the evolving lab

Ready today or ready tomorrow, Panther ART offers optional components for installation as future needs arise.



MTU expansion module available as an optional component

Optional Components

Remote Dashboard

- Monitor and manage up to 6 instruments at a time with “at-a-glance” real-time run status
- Prioritize activities to plan for future minutes, hours, or days
- Minimize unproductive visits and free up operator’s time

◀Detail of the Remote Dashboard

Data sharing

- Experience more efficient lab management by allowing data exchange on up to 16 Panther ART instruments
- Prevent duplicate samples and processing of partial assay kits across networked Panther ART instruments
- Help eliminate potential errors with single operator login

MTU expansion module

- Increase walkaway time (12+ hours) with fast, on-demand loading
- Improved throughput with expanded MTU capacity of up to 600 tests

Direct-to-drain waste management

- Eliminate the need to handle liquid waste by directly pumping it into the laboratory’s drainage system*

Sample shuttle module

- Balance your workload and protect sample integrity by connecting to other industry-standard tracks with the CLSI-compatible sample shuttle module
- Reduce sample touch points via a track system that allows samples to travel in and out of the Panther ART without operator’s intervention

*Compliance with local regulations permitting it

ART Configured for your lab

Panther ART empowers your workflow*

- “ **Accelerate start-up time** – fast operation is supported by an intuitive, user-friendly interface, on-demand access to key components, and 24-hr reagent calibration
- “ **Increase hands-off time** – use on-demand access for solid and liquid waste management, universal fluids replacement, and uninterrupted sample loading
- “ **Improve turnaround time** – continuous loading and testing without pausing or stopping for liquid/waste management
- “ **Achieve high throughput per square meter** – offering flexibility for planning variable workflows and peak loads
- “ **Plan your routine** – choose when the system should start, prime itself, perform maintenance, or calibrate, even during off hours



Automation Ready Technology (ART) is a program to develop innovative automation solutions offering enhanced usability, improved user experience, and greater operational efficiency

As the need for unique lab setups and requirements increases, ART offers:*

- “ **Advanced oversight of instrument operation** – intuitive, user-centric, and remote diagnostics and monitoring interfaces
- “ **Simplified user management** – a single network of centralized data including a single login, shared reagents, and prevention of unintended or duplicate testing
- “ **Complete automation support** – compatibility with CLSI/compliant track connections provides a more seamless workflow
- “ **Increased walkaway time** – added features that support fewer instrument interactions

An example of Panther ART integration with Total Lab Automation



Grifols Diagnostic is partnering with top automation companies to find the right configuration for your needs.



Technical specifications

Physical dimensions (WxDxH)	- Instrument: 122 x 81.5 x 175 cm - Instrument with MTU expansion module: 149 x 81.5 x 175 cm - UPS: 21.4 x 41 x 32.5 cm - Direct-to-drain pump: 24 x 22 x 23 cm	Environmental requirements	- Altitude: Equal to or less than 2000 m above sea level - Operational temperature: 15-30°C - Operational humidity: 20-85% relative (non-condensing) at 30°C or below
Minimum clearance requirements	- Base: 183 x 91.4 x 198 cm - With MTU expansion module: 214 x 172.9 x 198 cm - No need for rear clearance, instrument can be installed directly against a wall	Electrical requirements	- Electrical input: 100-240; VAC: (± 10%), 50/60 Hz: single phase - Current input: 110 V-20 amp circuit (dedicated if used with optional UPS) specified to operate at a minimum of 15 amps (dedicated); 220 V-10 amp circuit (dedicated) specified to operate at 7.5 amps (dedicated) - Current draw: Draw 1400 W peak, average 700 W (13 amps @ 100 VAC, 5.4 amps @ 240 VAC)
Weight	- Base: 363 kg - UPS: 34.5 kg - With MTU expansion module: 423 kg	Environmental output	- Heat dissipation: 550 W (1878 BTU/hr) during steady state - Drain output: Waste fluids drain to removable containers, or directly to centralized laboratory drainage system** - Noise output: <60 dB(A)
Sample capacity	Up to 120 sample tubes (8 racks) + on-demand access*	Operating system	Microsoft Windows 10
Reagent capacity	Up to 2000 tests (4 sets) + on-demand access*	MTU expansion module (optional)	Up to 120 MTU capacity (up to 600 tests)
Fluids capacity	Up to 2000 tests (2 sets) + on-demand access*	Data sharing (optional)	- Data sharing among up to 16 connected instruments - Exchange partially utilized reagent kits among connected instruments - Single user login and setup across networked instruments - Duplicate-sample prevention across networked instruments
Consumables capacity	- MTU: Up to 125 tests + on-demand access* - Tips: Up to 576 - MTU (with MTU expansion module): Up to 600 tests + on-demand access*	Dashboard (optional)	Provides real-time status of networked Procleix Panther systems featuring ART that can be displayed via TV screen monitor, tablet, or desktop PC***
Liquid waste capacity	- Base model: Up to 750 tests + on-demand access* - With optional direct-to-drain: No limit**		
Solid waste capacity	Up to 750 tests+ on-demand access*		
Sample throughput	3.5 hr to first 5 results; 5 results every 5 min thereafter 275 test results in 8 hr; up to 500 test results in 12 hr		
Sample barcode types	Code 39, Code 93, Code 128 (ISBT 128), Interleaved 2 of 5, Codabar, Jan 13, UPC		
System calibration	Up to 24 hours		
On-board reagent stability	Up to 72 (also non-continuous) hours		

* Allows operator access during system operations; certain restrictions apply

** For instruments equipped with optional direct-to-drain pump. Please refer to your local environmental regulations and guidelines

*** Up to 16 Procleix Panther systems featuring ART can be connected, 6 can be displayed at a time