

PathSensors Navigator

Fast, Sensitive, Easy-to-use Pathogen Detection



PathSensors Navigator offers luminescence and detection capabilities with preloaded protocols and touchscreen functionality to make data analysis easy.

Easy to Use

The intuitive touchscreen display and automatic instrument gain adjustments make it simple to produce your data and analyze results.

Superior Performance

The PathSensors Navigator provides a broader dynamic range to measure both high and low samples so you can be confident in your readings.

World Class Service and Support

PathSensors Navigator comes with a comprehensive one-year standard warranty, and our expert service team is available to help if you have questions about either the instrument or chemistries. We offer a full line of additional service products, including installation.

Features & Benefits

Supports PathSensors Advanced Assays

The PathSensors Navigator works seamlessly with PathSensors' library of high sensitivity pathogen detection assays.

High Throughput Assay Analysis

The PathSensors Navigator is designed to work with PathSensors new high throughput 96-well plate reader. This allows for high volume assay analysis and pathogen detection.

Automatic Instrument Adjustments

No need to worry about manually adjusting the gain for luminescence reads. PathSensors' systems perform this adjustment for you, providing you with the optimized settings.

Flexible Interface

- Select a preloaded protocol or customize your own
- Set up a plate map
- View data in a heat map display to quickly identify trends
- Easily export your results to a variety of locations including a local network, web-based cloud, LIMS or any drive desired



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MADE IN THE USA

Single-Source Service and Support

PathSensors' systems are all backed by a comprehensive one-year standard warranty and our expert technical and service support teams.

One Call Supports It All

We supply both the reagents and the instrument, so one call to PathSensors technical support answers any questions you may have about assay chemistries or instrument performance.

Flexibility to Use Alone or as part of an Automated Workflow

PathSensors' detection systems can be used on a bench top or integrated into your automated workflow for higher throughput and walk-away operation.

Automation Ready

PathSensors' systems can be controlled by third-party scheduling software with liquid handling and plate stackers to give you complete, walk-away automation. The software is SiLA compatible, making integration device control simple as SiLA standards evolve.

Third Party Integration

PathSensors' systems can be integrated with Tecan Freedom EVO®, Hudson Robotics Solo™ and PlateCraneEX™, Hamilton Microlab® STAR series, and many other hardware systems.

Luminescence

- Low-noise PMT ensures collected light is not compromised
- 10 to 1,000 times more sensitive than competitor instruments
- No need to dilute samples or manage gain settings
- 2 to 3 logs more usable data than competing instruments
- Lower cross talk for more usable data

Luminescence Module Specifications

Detector	Top-reading, head-on-photon counting photomultiplier tube (PMT)
Wavelength Range	350-700 nm
Detection Limit	1.5×10^{-21} moles of luciferase
Linear Dynamic Range	9 logs
Cross Talk	Less than 3×10^{-5} (white, 96-well plate, Coming 3912)

Injector System Specifications

Number of injectors (optional)	Two injectors
Dispense Volume Range	5-200 µl increments
Plate Compatibility	96-well plates
Waste Collection Tray Volume	Approximately 50 ml
Void Volume	500 µl



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