

GloRunner™

MICROPLATE LUMINOMETER

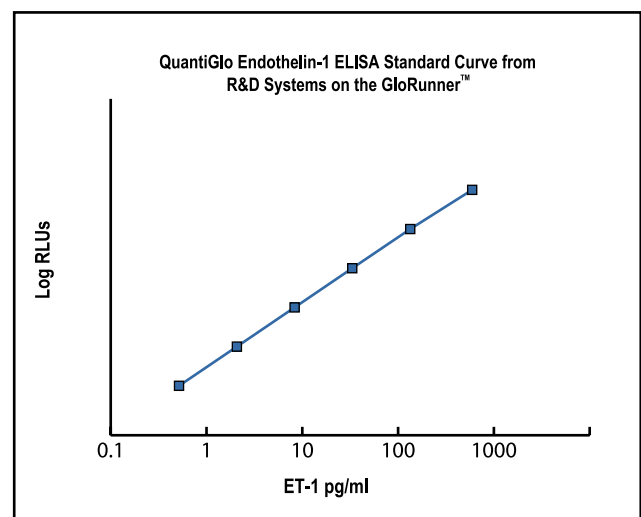
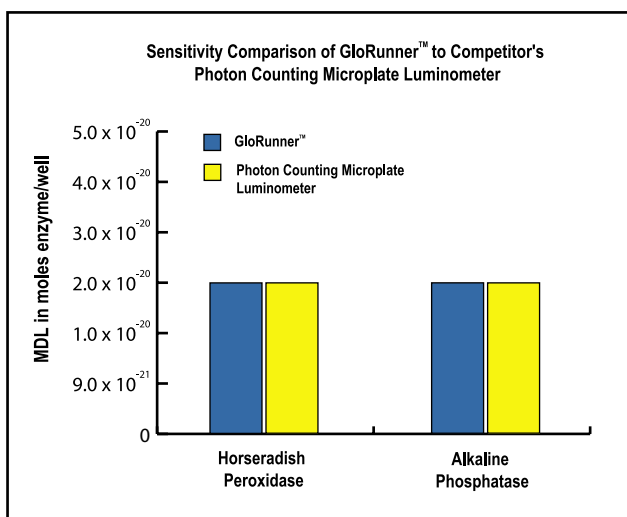


The GloRunner™ Microplate Luminometer is the ideal luminometer for luminescent assays requiring a broad dynamic range and a quick read time. Using a proprietary eight-channel solid state array, the GloRunner™ reads all eight wells of the plate column simultaneously and the entire plate in under 30 seconds. The GloRunner™ is the ideal luminometer for most glow type luminescent assays because it is:

- **Sensitive:** Detects attomolar levels of enzyme
- **Linear:** 8 log dynamic range
- **Fast:** Reads an entire 96 well plate in under thirty seconds
- **Small:** Maximizes available bench space
- **Intuitive:** Results in under two minutes from power on
- **Confident:** Generates reliable data
- **Supported:** Obtain help from us when you need it
- **Affordable:** Priced to fit within most laboratory budgets

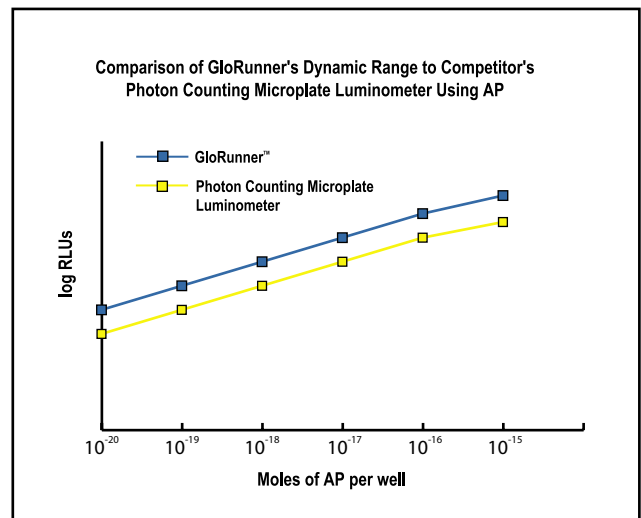
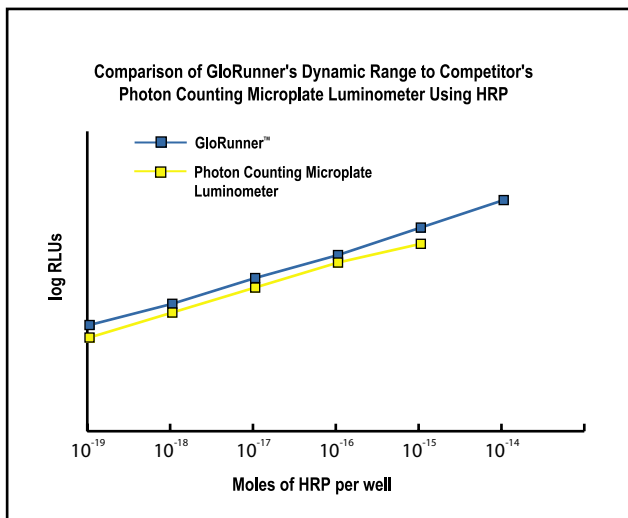
SENSITIVE

The GloRunner™ Microplate Luminometer provides high sensitivity and precision for luminescent immunoassays. Its minimum detection limits for commonly used chemiluminescent enzyme and substrate combinations are comparable to photon counting microplate systems that are 2-3 times the price! Now you can have the added sensitivity benefits of chemiluminescence at an affordable price.



LINEAR RANGE

The GloRunner's solid state array detection technology has a very broad linear dynamic range. This means less assay optimization is required when changing from colorimetric to luminescent assay formats. The broad dynamic range also means exceptional linearity for standard curves. The GloRunner™ gives you accurate quantitative results in less time, allowing you to focus more on what counts--your research.

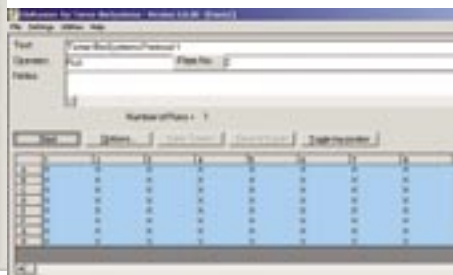


INTUITIVE

The GloRunner™ Microplate Luminometer is so easy to use that you are an instant expert with this powerful research tool. Results are available within 2 minutes of turning on the system for the first time--even if you have not previously used a microplate luminometer! The software is designed to be straightforward so you can focus your expertise on research--not the instrument.



1 Select assay parameters and wells to be read.



2 Press start.



3 Your data will be exported into MS Excel with one click of a button.

CONFIDENCE



**GloRunner
Standardization
Light Plate**

With the GloRunner Standardization Light Plate, you can be sure your system is performing consistently over time. This plate has eight calibrated light sources that ensure consistent results from the detector array. This plate has been tested extensively over time and varying temperatures. The CV is less than 1% within channel and between all eight channels.

SUPPORTED

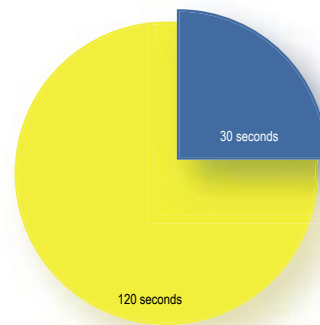
At Turner BioSystems our goal is to provide reliable tools that support your life science research objectives. We strive to offer the best combination of service, quality, and value in the industry. You can depend on technical competence, a sense of urgency and a service oriented attitude when you call on us for support.

Phone: 408.749.0994

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FAST

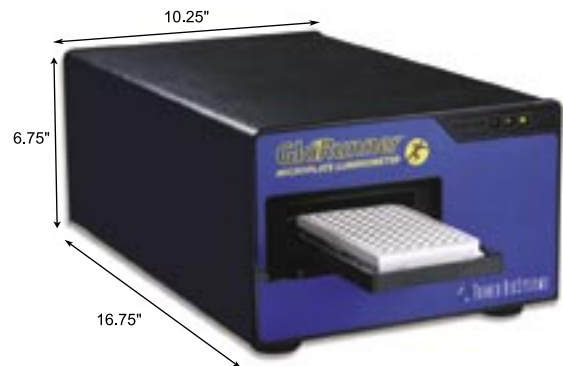


GloRunner™
30 second read time

Competitor
120 second read time

With its proprietary eight-channel detector design, the GloRunner™ Microplate Luminometer reads an entire 96 well plate in under 30 seconds with a 1 second per well integration time. This speed minimizes the impact of half-life, temperature, or other chemistry variables and increases confidence in your results.

SMALL



The GloRunner™ is high value in a small package. With a footprint the size of a shoe box, the system maximizes use of your valuable bench space.

Part Numbers

9000-000 GloRunner™ Microplate Luminometer
9000-036 GloRunner™ Standardization Light Plate

Contact Us

E-mail: sales@turnerbiosystems.com

Web: www.luminometer.com

Flash Demo:

www.luminometer.com/instruments/glorunnerflash.html

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SPECIFICATIONS

GloRunner™ Microplate Luminometer

Detection Limit: 2×10^{-20} moles horseradish peroxidase

2×10^{-20} moles alkaline phosphatase

5×10^{-18} moles luciferase

Linear Dynamic Range: 10^{-8}

Crosstalk: Better than 5×10^{-4} at 1.5×10^6 Relative Light Units using a white Costar plate

Detector: Proprietary eight-channel solid state array (patent pending)

Spectral Response: Range 300–610 nm

Peak Wavelength: 550 nm

Detection Mode: Glow luminescence

Plate Format: 96 well

Reading Speed: 1 second per well, less than 30 seconds per plate

Computer Interface: RS-232

User Interface: User-friendly Windows® software controls machine functions.

Requires Windows® 95 or later

Power: 0.5A @ 100-240V, 50-60Hz (universal)

Physical Dimensions: 16.75" D x 10.25" W x 6.75" H

(42.6cm D x 26.0cm W x 17.2cm H) (tray closed)

Weight: 20.0 lbs (9.1 kg)

Operating Temperature: 60–105°F (15–40°C)

Warranty: One year warranty

Approvals: CE, UL (pending), CUL (pending)