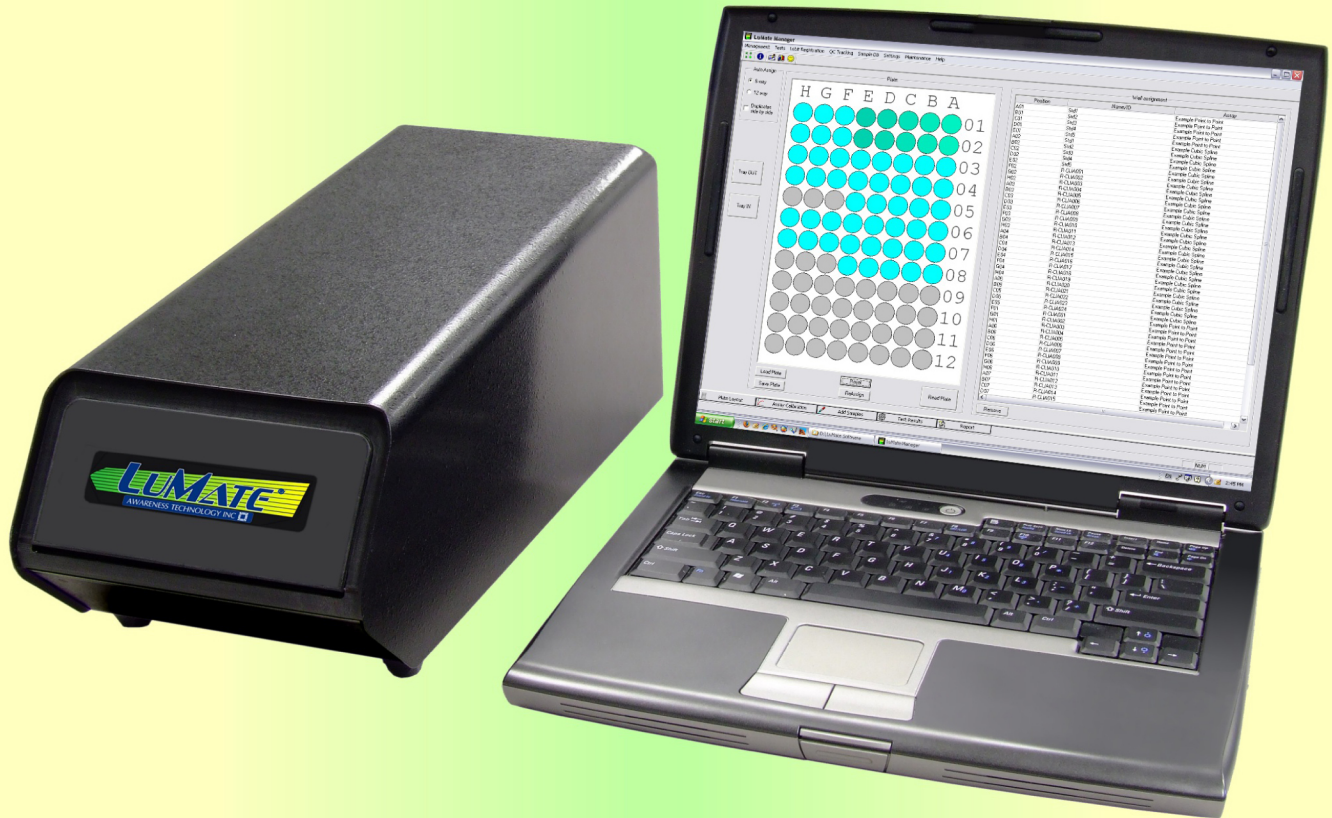


LUMATE®



LUMATE®

is a compact microplate glow luminometer. Its streamlined design with minimal footprint offers superb optics to fit any size lab bench.

LUMATE® teams up with your PC to provide full access to high level software for curve fitting, reporting, and data storage to meet the requirements of modern laboratories. Instrument and software come ready to "plug and play" with your PC.



AWARENESS TECHNOLOGY, INC.

Cost Effective By Design®

LUMATE®

Microplate Luminometer

Economical - Self-referencing - User programmable

CLIA for every Lab

The increased range and sensitivity of CLIA (Chemi Luminescent Immuno Assays) is no longer just for high volume labs. LuMate® brings this technology to any size lab. LuMate® reads a 96-well microplate and calculates results instantly and automatically. LuMate® is an open system that permits users to program a wide variety of glow-type CLIAs.

Easy and automatic

Simply select an assay from the stored menu and load the plate. LuMate® automatically reads the plate, precisely measuring and reporting the light output from each well. LuMate® runs hormones and many other applications, with on-board calculations for point-to-point, linear and log regressions, and log logit modes. A built-in reference assures continuous calibration.

Specifications

Optical

Detection Mode	Glow luminescence.
Sensitivity/Detection limit	HRP 1×10^{-18} moles, ALP 1×10^{-21} moles.
Linear Dynamic Range	10^6 RLU.
Cross talk	Less than 2.5×10^{-4} .
Detector	Photomultiplier (PMT).
Spectral Response Range	300-650 nm.
Peak Wavelength	400 nm.
Vessel	96 wells in strip tray or plate.

Electronic

PC connection:	USB Port.
Microprocessor:	eZ80.
Plate Transport:	Stepper motor.
Power Requirements:	100V - 250V AC, 50-60Hz (auto-sensing).

Software

PC interface:	LuMate® Manager software - included. PC not included.
Calculation Modes:	Multi-point calibration with Regression or Point-to-Point curve fit with curve storage option, Relative Light Units.
Additional Features:	User-programmable open system with curve plotting and editing. Selectable plate formatting with duplicates and end-reading selections. Multiple timed reading options. Automatic interpretation options. Alphanumeric test naming. Flags and error messages.

Other

Certifications:	NRTL listed, CE mark.
Enclosure:	All metal enclosure
Dimensions:	Approx. 7.5x8.0x16.5 (19x20.3x42cm). Weighs 11lbs. (5kg)