LuMate® 4400

Chemiluminescent 96 well Microwell plate reader

Features of the LuMate®

◆ Economical open system & compact design

◆ Reads an 96 microwell plate in 2 minutes

◆ Multiple calculation modes

◆ Dependable performance

◆ Intuitive software, designed for ease of use

LuMate® is a powerful yet compact glow luminescence detector with photo multiplier capable of reading (300nm - 650nm) in opaque 96 well microwell plates.

LuMate® is an open system and may be used to read most microwell based Chemiluminescent kits.

Once installed, LuMate® management software comes preconfigured to interface with your PC and the LuMate® analyzer via a high-speed USB connection.

The LuMate® with your PC provides the rapid reading of 96 well microwell plates or individual microwell strips, customizable reports, calibration curve fit, and unlimited data storage to meet the requirements of the modern laboratory.

AWARENESS® TECHNOLOGY, INC.

LuMate®

4400 Microplate Reader Specifications

Optical measurement range	Glow Luminescence
Sensitivity/Detection limit	HRP 1x10-18 moles, ALP 1x10-21 moles
Linear Dynamic Range	10^6 RLU
Cross talk	Less than 2.5×10^{-4}
Spectral Response Range	300-650 nm
Peak Wavelength	400 nm
Vessel:	96 wells in opaque white, flat bottom wells in strip tray or plate
Power Requirements	100V or 240V AC, 90W, 50-60Hz (auto-sensing)
PC connection	USB Port
Speed	Reads 96 wells in approximately 2 minutes
PC interface with LuMate	Manager software - included. (PC not included)
Operating System	Microsoft Windows® 7, 8.1, 10
Calculation Modes	Factor, Standard, Point to Point, Cut Off, Regression, Cubic Spline, Dose Response, Polynomial Regression, 4-Parameter and 5-Parameter Logistic, %RLU
Additional Features	User-programmable open system, selectable plate formatting, reporting
Certifications	NRTL Listed, CE Mark Awareness Technology Quality System is certified under ISO13485:2016
Enclosure	All metal enclosure
Dimensions	Approx. 7.5x8.0x16.5 (19x20.3x42cm) Weighs 12.5 lbs. (5.7 kg)

ISO 13485:2016
ETL Listed US CE

MADE IN U.S.A.

AWARENESS® TECHNOLOGY, INC.
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Optional SimWell Q.A. Set
Part Number 041020

Method for verifying calibration of LumiStat® luminometers

314400C