



LumiStat[®]

The Microwell Strip Luminometer

International Patent Pending



CLIA for Every Lab

The increased range and sensitivity of CLIA (Chemi Luminescent Immuno Assays) is no longer just for high volume labs. LumiStat[®], the first CLIA micro strip reader, brings this technology to any size lab. LumiStat[®] reads break-apart wells up to 12 wells per strip, and calculates results instantly and automatically. LumiStat[®] is an open system, allowing users to program a wide variety of glow-type CLIAs.

Test names and parameters are stored in a large on-board memory for easy recall.

Economical - Self-referencing - User programmable

Easy and automatic

Simply select an assay from the stored menu, load the strips, and close the door. LumiStat[®] automatically blanks and advances the strip well by well, precisely measuring and reporting the light output from each. LumiStat[®] 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.



AWARENESS TECHNOLOGY, INC.

Cost Effective By Design[®]

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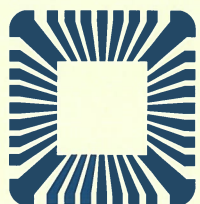
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LumiStat[®] Specifications

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.

Detection Mode	Glow luminescence.
Calculation Modes	Multi-point calibration with Regression or Point-to-Point curve fit with curve storage option, Cutoff modes, Relative Light Units.
Vessel	Single, double, or break apart strips, up to 12 wells 36 well loading capacity.
Plate Format	Common strip carrier can hold three 12-well strips or three 8-well strips.
Speed	Reads three strips in approximately one minute.
User Interface	Keypad, 16-key, membrane switch, 4X4.
Display	LCD.
Internal Printer	Thermal, dot matrix, 20 characters per line.
PC interface software	<i>LumiCapture[®]</i> software for MS Excel [®] file conversion (<i>standard accessory - included with LumiStat[®]</i>).
Serial Port	Output only, 9600 baud, 1 start bit, 8 data, 1 stop, no parity, no handshake.

Power Requirements	110-120/220-240 VAC, 50-60 Hz, 50 watts, switch selectable.
Fuse Requirements	Two 1/2 Amp slow blow 3 AG.
Enclosure	ABS plastic cover with metal base.
Dimensions	Approx. 9" x 12" x 3.5" (23 x 30 x 9cm), 13 lbs (5.9Kg).
Recommended operating environment	Temperature 18-35° C. Humidity less than 85%.



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