

CHROMATE®

4300 Microplate Reader Specifications

Optical measurement range	0.0 to 4.0 absorbance units (A)
Photometric accuracy	± (1% of the reading +/-0.010) from 0 to 1.5 ABS) ± (2% of the reading +/-0.010) from 1.5 to 3.0 ABS)
Stability	Drift of no more than 0.005A in 8 hours
Light source	Halogen lamp source with lamp saver feature
Wavelengths	Standard: 405, 450, 492, and 630 nm Optional 6-filter: 405, 450, 492, 545, 600, and 630 nm (must be ordered at time of manufacturing) Filter options from 405 nm to 700 nm
Filter Type:	IAD hardcoat interference, 10 nm half bandpass
Vessel:	Standard 96-well microwell plates, or strip trays
Power Requirements:	100V or 240V AC, 70W, 50-60Hz (auto-sensing)
PC connection:	USB Port
Speed:	Reads absorbances of 96 wells in about 12 seconds
Plate Transport:	Stepper motor
PC interface with Chromate	Manager software - included. (PC not included)
Calculation Modes:	Single point calibration, point-to-point curve fit, polynomial regression, linear and sigmoidal regression (log & linear), cutoff absorbance, multi-point % absorbance
Additional Features:	User-programmable open system, selectable plate formatting, alpha numeric test naming, automatic interpretation options, duplicate well options, curve plotting and editing, flags and error messages
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 10 lbs. (4.5kg)

ISO 13485:2016



MADE IN U.S.A.

Dri-Dye® Check Strips

For performance verification of Stat Fax®, Chromate®, and other microstrip and microplate readers

 **AWARENESS**
TECHNOLOGY, INC.
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