CHROMATE ® 4300

ELISA 96 well Microwell plate reader

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Features of the ChroMate®
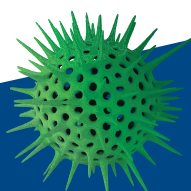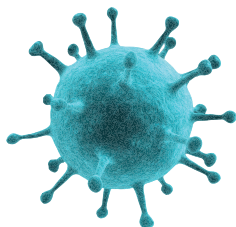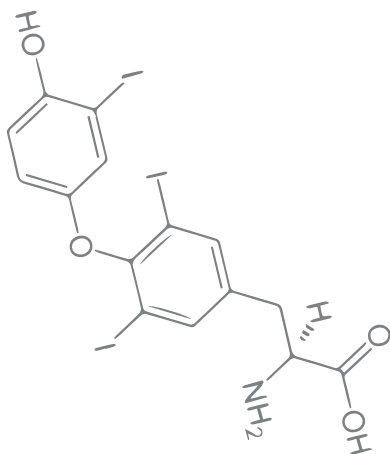
◆ Economical open system & compact design

◆ Reads an 96 microwell plate in 12 seconds

◆ Multiple calculation modes

◆ Dependable performance

◆ Custom filter configurations available

◆ Intuitive software, designed for ease of use

ChroMate® is a powerful yet compact 8-channel microwell plate reader which features: Precision optics, user-programmable assays, standard four filter model (405, 450, 492, and 630 nm) with (optional) six filter VIS model.

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

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

The ChroMate® 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.

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

CSA® NRTL   CE

MADE IN U.S.A.

Dri-Dye® Check Strips

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

314300 REV.B