CHROMATE® 4300

ELISA 96 well Microwell plate reader

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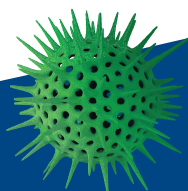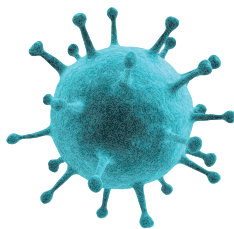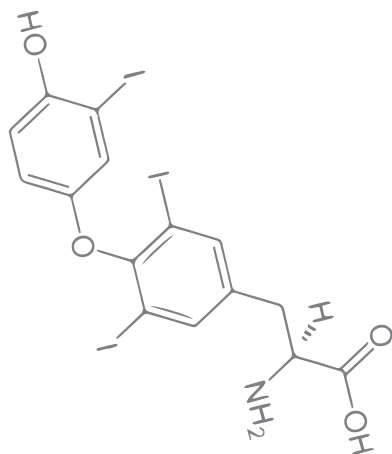
◆ Economical open system & compact design

◆ 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

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STAT FAX® 4200

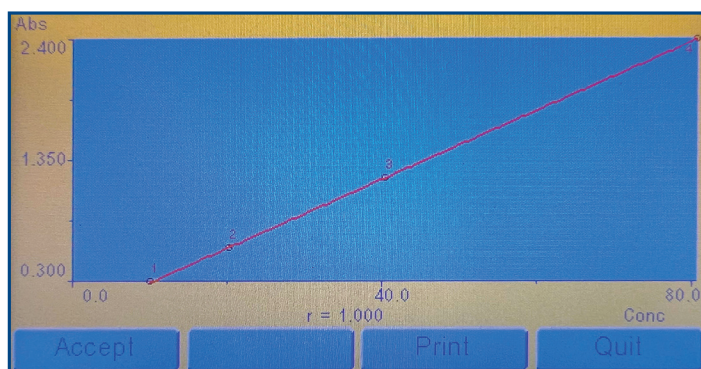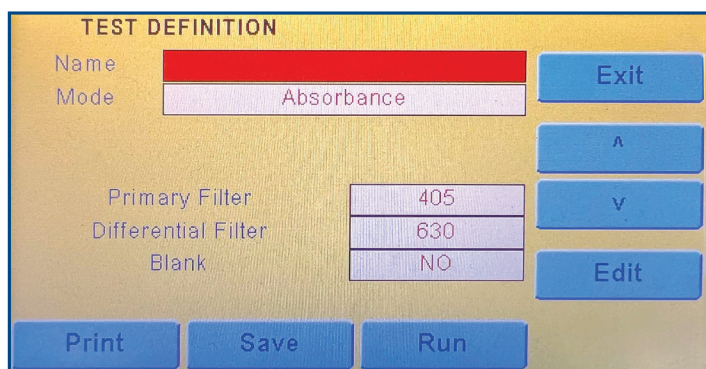**Programmable Open System**

ELISA Microplate Reader

Stat Fax, serving laboratory needs worldwide for more than 25 years

The Stat Fax® 4200 is a compact, standalone 8-channel microplate reader. Featuring an intuitive touch-screen interface, rapid reading capability of 96 wells, superb optics, six filters with a filter range of 405-700 nm, maintenance-free design.

AWARENESS® TECHNOLOGY, INC.

Features of the Stat Fax® 4200

◆ Economical open system & Compact design

◆ Test results in 10 seconds per 96 well plate

◆ Multiple calculation modes

◆ Touch screen display and on-board printer

◆ Dependable maintenance-free design

◆ Up to 120 user programmable stored tests

◆ Custom filter configurations available

STAT FAX® 4200
Semi-automated ELISA Programmable Plate Reader

Linear Measurement Range	0.0 to 4.0 Absorbance units (A)
Photometric Accuracy	+/- (1% +/- 0.010) 0.0 through 1.5 ABS +/- (2% +/- 0.010) 1.5 through 3.0 ABS
Stability	Drift of no more than 0.005A in 8 hours
Light Source	Halogen lamp with lamp saver feature
Standard Wavelengths	Standard: 405, 450, 492, and 630 nm 6-VIS: 405, 450, 492, 545, 600, and 630 nm Filter options from: 405 - 700 nm
Vessel	Standard 96-well microplates or strip trays
Display	Interactive touch screen 4.5" x 3.5" (14.5 cm) LCD, color graphic display
Printer	Thermal with graphic capability, approximately 64 characters per line
Speed	Reads, calculates and prints results, in approximately 30 seconds per 12-well strip
Calculation Modes	Single point calibration by standard or factor, multi-point calibration with point-to-point curve fit, linear regressions with log, linear, and log-logit selections
Test Storage	Stores 120 tests; stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, standard values, test names, and previous standard curve.
Dimensions & weight	Approximately 13.5" x 17" x 8.25" (34 cm x 43 cm x 21 cm) weight: 12 lbs (5.5 kg)

ISO 13485:2016

CSA NRTL   CE   MADE IN U.S.A.

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Dri-Dye® Check Strips

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

sales@awaretech.com

STAT FAX® 4700

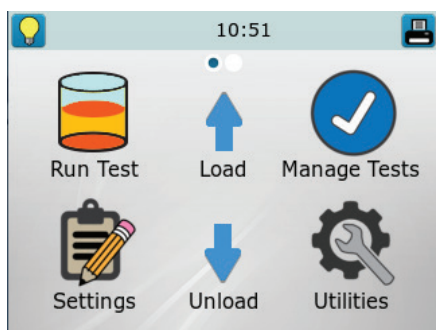**Programmable Open System**

ELISA Microstrip Reader

Stat Fax, serving laboratory needs worldwide for more than 25 years
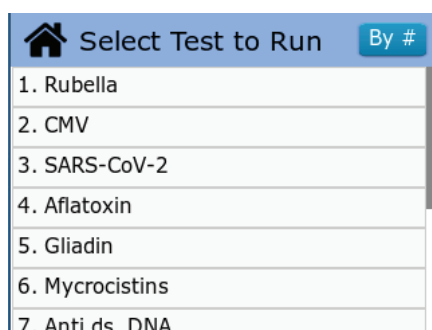
The Stat Fax 4700 is ideal for reading ELISA microwell strips in laboratories and institutions where small runs of ELISA assays are routine. Assays can easily be programmed using the touch screen interface with filters ranging from 340 nm - 630 nm. The robust instrument is factory calibrated and maintenance free.

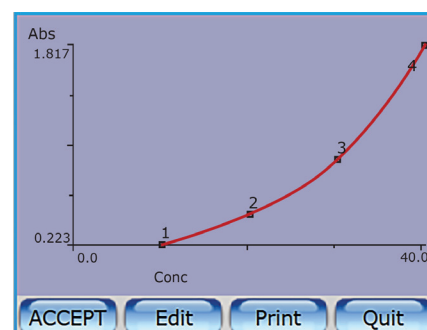## AWARENESS® TECHNOLOGY, INC.

Features of the Stat Fax 4700

◆ Economical open system & Compact design

◆ Three strip loading capacity

◆ Automatically positions each strip for reading

◆ Multiple calculation modes

◆ Touch screen display and on-board printer

◆ Dependable maintenance-free design

◆ Up to 120 user programmable stored tests

◆ Test results in 30 seconds per 12 well strip

◆ Custom filter configurations available

Updated interface for easy navigation

Simple to use graphically driven utilities (example tests shown)

High resolution capacitive touch display

STAT FAX® 4700

Semi-automated ELISA Programmable Strip Reader

Linear Measurement Range	0.0 to 3.0 Absorbance units (A)
Photometric Accuracy	+/- (1% +/- 0.010) 0.0 through 1.5 ABS
	+/- (2% +/- 0.010) 1.5 through 3.0 ABS
Stability	Drift of no more than 0.005A in 8 hours/bichromatic
Light Source	Tungsten-Xenon lamp with lamp saver feature
Standard Wavelengths	Standard: 405, 450, 492, and 630 nm
	6-VIS: 405 - 630 nm
	6-UV: 340 - 630 nm
Vessel	Non break apart or break apart strips up to 12 wells long
	3 strip loading capacity, (for break apart wells, partial strips or even a single well can be read)
Transport mechanism	Auto-Track™ automatic strip transport Detection Mode
Display	Interactive touch screen 3.5" (8 cm) LCD, color graphic display
Printer	Thermal with graphic capability, approximately 29 characters per line
Speed	Reads, calculates and prints results, in approximately 30 seconds per 12-well strip
Calculation Modes	Single point calibration by standard or factor, multi-point calibration with point-to-point curve fit, linear regressions with log, linear, and log-logit selections
Test Storage	120 open channels to store tests
	Stores all parameters including wavelengths, calculations, unit codes, ranges, interpretations, calibrator values, test names, and previous curve
Dimensions & weight	Approximately 9"x13.5"x5" (24x34x13 cm) weight: 5 lbs (2.3 kg)

ISO 13485:2016

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