AWARENESS TECHNOLOGY INC

Laboratory equipment

Awareness Technology | Catalogue 2014/2015

COMPANY PROFILE

Dear Colleagues!

Awareness Technology, Inc. began in 1982 with a vision to become the first name in small instrumentation design. Today we are proud to be known worldwide as a leader in clinical laboratory instrumentation for small- to medium-sized labs.

Manufacturing facilities are located in Florida, the USA.

The company develops and manufactures effective costs laboratory equipment, including chemistry analyzers, analyzers and washers for EIA and CLIA, as well as all the laboratory accessories required for them.

Although majority of equipment is used for clinical diagnostics (EIA and blood chemistry analysis), it can be also applied for environmental testing, industrial application, food testing, veterinary and others.

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Stat Fax® 1904
Chemistry analyzer

Stat Fax® 3300
Chemistry analyzer

Stat Fax® 4500
Chemistry analyzer

Stat Fax® 1904

Chemistry analyzer

- Open system for any reagents and methods
- Built-in printer and built-in incubation block for 12 tubes
- Alphanumeric display
- Printed kinetic graphs
- Automatic filter wheel (340, 405, 450, 505, 545, 600 nm)
- Single or multipoint calibration
- Non-volatile memory for 60 tests
- Calibration curves storage

Ordering information

Description	Code
Stat Fax® 1904 chemistry analyzer, standard set	SF1904
Additional	
Redi-Check® photometer check set	RC
Paper (10 rolls)	WM
Borosilicate tubes 12x75 mm (case of 250 pcs)	WM
Test-tube rack, in shock resistant resin, stackable, 50 places for tubes Ø12 mm	10431

Performed tests

- **Enzymes**
  AST, ALT alpha-amylase, gamma-GT, creatine kinase, creatine kinase - MB, acid phosphatase, lipase, alkaline phosphatase, acid phosphatase, cholinesterase, HBDH, LAP, PHI

- **Substrates**
  Uric acid, albumin, bilirubin total and direct, creatinine, glucose, hemoglobin, lactate, total protein, microalbumin in urine, urea, proteins in urine and CSF, fructosamine

- **Lipids**
  Cholesterol, HDL Cholesterol, LDL cholesterol, triglycerides, phospholipids, total lipids

- **Electrolytes**
  Sodium, potassium, calcium, chlorides, iron, TIBC, magnesium, phosphorus, copper, zinc

- **Serum proteins immune turbidimetry**
  Apolipoproteins A1, B, CII, CIII, E, alfa-1-antitrypsine, alfa-2-macroglobulin, alfa-1-glicoprotein acid, antithrombin III, ceruloplasmin, C-1-esterase, complement C 3, complement C 4, haptoglobin, IgG, IgA, IgM, cappa (light chain Ig), lambda (light chain Ig), prealbumin, transferrin

- **Serum proteins latex immune turbidimetry**
  C-reactive protein (CRP), rheumatoid factor (RF), antistreptolysin O (ASO), lipoprotein (a) LP(a), beta-2-microglobuline, ferritin, immunoglobulin E (IgE), myoglobin, microalbumin, alfa-phetoprotein, glicated hemoglobin

Specifications

Photometric	
Linear measurement range	0.0 to 2.5 absorbance units (A)
Photometric accuracy	+/– (1 % of the reading +0.005 A)
Stability	drift of no more than 0.005A in 8 hours/bichromatic
Light source	tungsten lamp with lamp saver feature
Standard wavelengths	340, 405, 450, 505, 545 and 600 nm (alternate filters available from 340 to 700 nm)
Filter type	IAD hardcoat interference, 10 nm half bandpass
Tube size	12 mm round is standard
Minimum sample volume	1 mL for 12 mm round tube
Electronic	
Display	Alphanumeric, 16 character LCD
Printer	Thermal dot matrix, 20 characters per line, plus graphics
Keyboard	16-key, domed membrane switch, enunciating
Power requirements	115 V or 230 V AC, 50–60 Hz (switch selectable)
Software	
Speed	Reads, calculates and prints results in 3 seconds per tube.
Calculation modes	Single point calibration by standard or factor, multipoint calibration with point-to-point curve fit, rate by standard or factor (batch or singly)
Test menu	More that 60 open channels to store tests. Stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, rate timing, standard values, test names, and previous standard curve
Other	
Temperature	37 °C, block stays on, cell has on/off switch
Enclosure	painted flame-retardant ABS plastic cover with metal base
Dimensions, weight	approx. 24x34x13 cm, 4.5 kg

IAD filters

Awareness Technology uses Ion Assisted Deposition (IAD) filters which are more expensive, but will give superior performance far longer than multi-cavity filters, resulting in reduced service costs and down-time for filter replacement.

Awareness Technology specializes in optical design, and has always considered filter quality to be of major importance in achieving photometric accuracy and, therefore, reliable test results. That is why Awareness Technology chooses Ion Assisted Deposition (IAD) filters when manufacturing Stat Fax®, ChemWell®, and ChroMate® instruments. IAD filters are more expensive, but will give superior performance far longer than multi-cavity filters, resulting in reduced service costs and down-time for filter replacement.

Filters manufactured using IAD technology and processes are vastly superior to sealed soft-coated interference filters especially in terms of stability and longevity.

Stat Fax® 3300

Chemistry analyzer

- High efficiency
- Built-in flow cell for reducing reagents consumption
- Optical system is temperature controlled to 37 °C
- Open system for any reagents and methods
- Large LCD display and built-in printer
- Kinetic plots in real time on LCD display
- Filters
- Single or multipoint calibration
- Non-volatile memory for 500 patients
- Calibration curves storage

Ordering information

Description	Code
Stat Fax® 3300 chemistry analyzer, standard set	SF3300
Additional	
External incubator for 18 tubes	HB
External alphanumeric keyboard	KB
Redi-Check® photometer check set	RC
Paper (10 rolls)	WM
Borosilicate tubes 12x75 mm (case of 250 pcs)	WM
Test-tube rack, in shock resistant resin, stackable, 50 places for tubes Ø12 mm	10431

Performed tests

- **Enzymes**
- **Substrates**
- **Lipids**
- **Electrolytes**
- **Serum proteins immune turbidimetry**
- **Serum proteins latex immune turbidimetry**
- **Drugs**

Specifications

Photometer	
Tube or cuvette	0.0 to 2.5 absorbance units
With flow cell	0.0 to 3.5 absorbance units
Stability	drift of no more than 0.005 A in 8 hours/bichromatic
Light source	tungsten halogen lamp, with lamp saver feature
Standard wavelength	340, 405, 505, 545, 580, 630 nm and 2 optional
Optional filters	340–700 nm
Filter types	ultra long life multiple cavity IAD hard coat
Sampling	
Sample volume — flow cell	programmable 250–750 mL
Flow cell body	surgical grade stainless steel
Windows	Pyrex
Illuminated volume	21 mL
Minimum volume — tube (12 mm)	1 mL
Minimum volume — cuvette	400 mL
Electronic	
Processor	Z180
Program memory	1 Mb
Non-volatile memory	1 Mb
RAM	32K byte
Internal printer	40/80 column thermal
Display	Graphical LCD 240x128
Keyboard	20 key, domed membrane
PC keyboard	Compatible with standard PS2 keyboard
Output — RS232	9600 8 data, 1 stop, no parity
Output — Parallel	Any IBM printer with simple ASCII compatibility
Operating modes	
Single and multipoint standardization	
Rate (factor/standard)	live graphic display of reaction
Curve fit	linear, point to point, or regression
Miscellaneous	blank and curve recall, sample blanking
Special features	
Password protection for test results and parameters	
Levey-Jennings QC tracking, patient reports, job creation	
User tests	more than 100
Stored patient results	more than 500
Stored control results	more than 500
Optional external heat block	18 wells, controlled temp 37 °C
Optional read cell cooling	Peltier cooling system — cell only
Cell temperature selections	25 °C, 30 °C, or 37 °C
Enclosure	fire retardant ABS and steel
Dimensions	40x37x14 cm, 30 cm tall with screen up
Weight	6.4 kg
Power	100–240 VAC (auto-sensing) 50/60 HZ input, 90 watts

Stat Fax® 3300 chemistry analyzer set with accessories

Stat Fax® 3300
Chemistry analyzer

External incubator
for 18 tubes

External
alphanumeric keyboard

Redi-Check®
photometer check set

Test-tube rack
with Borosilicate tubes

Stat Fax® 4500

Chemistry analyzer

- Open system for any reagents and methods
- Built-in thermal printer
- Built-in incubator for 12 tubes
- Built-in flowcell
- Graphic touch-screen LCD 3.5”
- Filters: 340, 405, 505, 545, 580 and 630 nm
- Plotting and editing reaction graphs, calibration curves
- Non-volatile memory for 120 tests
- Microprocessor provides all existing calculation methods

Ordering information

Description	Code
Stat Fax® 4500 chemistry analyzer, standard set	SF4500
Additional	
Redi-Check® photometer check set	RC
Paper (10 rolls)	WM
Borosilicate tubes 12x75 mm (case of 250 pcs)	WM
Test-tube rack, in shock resistant resin, stackable, 50 places for tubes Ø12 mm	10431

Performed tests

- **Enzymes**
- **Substrates**
- **Lipids**
- **Electrolytes**
- **Serum proteins immune turbidimetry**
- **Serum proteins latex immune turbidimetry**
- **Drugs**

Specifications

Photometric	
Linear measurement range	tube or cuvette -0.0 to 3.0 absorbance units (A)
Photometric accuracy	+/– (1 % of the reading +0.005 A)
Stability	drift of no more than 0.005 A in 8 hours/bichromatic
Light source	tungsten lamp with lamp saver feature
Standard wavelengths	340, 405, 505, 545, 580 and 630 nm (alternate filters available from 340 to 700 nm)
Filter type	IAD hardcoat interference, 10 nm half bandpass
Tube size	12 mm round tube is standard read cell accommodates square cuvettes
Minimum sample volume	1 mL for 12 mm round tube 250 mL for flowcell
Electronic	
Display	interactive touch-screen 3.5" LCD, color graphic display
Printer	thermal dot matrix, with graphic capability
Power requirements	100 V–240 V AC, 1.5 A, 50–60 Hz (auto-sensing)
Interface	USB mouse
Software	
Speed	reads, calculates and prints results, 3 seconds per tube
Calculation modes	single point calibration by standard or factor, multipoint calibration with point-to-point curve fit, rate by standard or factor (batch or singly)
Test menu	more than 120 open channels to store tests. Stores all parameters including wavelengths, calculations, unit codes, linear and normal ranges, rate timing, standard values, test names and previous standard curve
Other	
Temperature control	read cell and incubation block, user selectable
Enclosure	painted flame-retardant ABS plastic cover and base
Dimensions	approx. 24x34x13 cm, weights 4.5 kg

Redi-Check® photometer check set for performance verification of Stat Fax® and other chemistry analyzers

Redi-Check® is an easy, economical way to monitor calibration, linearity, and repeatability of Stat Fax® chemistry analyzers and many other filter photometers (both aspirating and tube reading).

Each kit comes with Calibration charts, linearity plots and repeatability records.

Red-Check is quick and easy. Dilute, read, and compare results with pre-determined acceptance ranges. Simulates true test conditions using your own glassware.

- Graphic records provide instant visual interpretation
- Includes data for wavelengths from 340nm - 650nm
- Acceptance ranges are provided for both bichromatic and monochromatic readings
- NIST traceable absorbance calibration
- Long shelf life at room temperature

Stat Fax® 303+
Microstrip reader

Stat Fax® 4700
Microstrip reader

Stat Fax® 2100
Microplate reader

Stat Fax® 4200
Microplate reader

ChroMate®
Microplate reader

Stat Fax® 303+*

Microstrip reader

- Microprocessor provides all existing EIA calculation methods, calibration curves plotting and storage
- Open system for any methods and reagent systems
- Alphanumeric display
- Non-volatile memory
- Built-in graphic thermal printer
- 4 standard filters (405, 450, 492, 630 nm)

* this model is available in selected markets only

Ordering information

Description	Code
Stat Fax® 303+ microstrip reader, standard set	SF303+
Additional	
6 VIS filters: 545, 600 nm (should be ordered when placing an order for the analyzer)	6VIS
6 UV filters: 340, 545 nm (should be ordered when placing an order for the analyzer)	6UV
Dri-Dye® check strips	DD
Paper (10 rolls)	WM

Performed tests

- **Infections**
  hepatitis A (antibodies to VGA), HBsAg, HBeAg, HBcAg, HBsAg confirming, anti-HBsAg, anti-HBeAg, anti-HBcAg, hepatitis C (antibodies to VGS), clamidia (anti-genes, IgG, A, M), trichomoniasis (IgM), toxoplasmosis (IgG, M), lamblia, adenovirus (IgG, M), candidia, aspergillosis, Lyme disease, cytomegalovirus (IgG, M), Epstein — Barr virus (IgG, M), HIV 1, 2 (antibodies), Herpes simplex virus (IgG, M), Herpes Zoster virus (IgG, M), measles virus (IgG, M), influenza virus A, B (IgA, G, M), parainfluenza virus 1, 2, 3 (IgA, G, M), parotitis virus (IgA, G, M), rubella virus (IgG, M), campylobacteriosis (IgG, M), poliomyelitis, diphtheria (IgG), echinococcosis (IgG), syphilis (IgG, M), yersiniosis, tetanus

- **Tumoral markers**
  alpha-fetoprotein, carcinofetal antigen, prostate specific antigen, CA 125, CA 15-3, CA 19-9, CA 242, ферритин, HCG, NSE, histionic polypeptide antigen, beta 2-microglobulin, UBC (bladder cancer)

- **Thyroid gland**
  triiodothyronine (T3), thyroxin (T4), thyroid-stimulating hormone (TSH), thyroglobulin, antibodies to thyroglobulin, antibodies to thyroperoxidase, antibodies to mikrosomal antigenes of thyreocytes

Specifications

Photometric	
Linear measurement range	0.0 to 3.0 absorbance units (A)
Stability	+/– 1 % or better (NIST)
Light source	xenon lamp with lamp saver feature
Lamp warm up time	45 seconds
Wavelengths	standard: 405, 450, 492, and 630 nm 6-VIS: 405, 450, 492, 545, 600 and 630 nm 6-UV: 340, 405, 450, 492, 545 and 630 nm
Filter type	IAD hardcoat interference, 10 nm half bandpass
Vessel	Single, double or break-apart or 12 wells long. 3 strip loading capacity: — 3x12 carrier for single break-apart or 12 well strips — 3x8 carrier for non-break-apart (rigid) or 2x8 strips
Electronic	
Display	alpha numeric, 16 character LCD
Printer	thermal dot matrix, 20 characters per line, plus graphics
Keyboard	16-key, domed membrane switch, enunciating
Power requirements	115 V or 230 V AC, 50–60 Hz (switch selectable)
Microprocessor	Z180
Non-volatile memory	battery supported RAM, holds approx. 31 tests and curves
Serial port	output only, custom cable available, 2400 Baud, 1 start bit, 8 data, 1 stop, no parity, no handshake
Software	
Speed	reads, and prints results of 12 wells in 30 seconds
Calculation modes	single point calibration, point-to-point curve fit, linear regression (log&linear), log/logit, % abstorbance/zero standard multipoint, uptake, cutoff, absorbance
Additional features	complete user prompting, flags and error messages, alphanumeric test naming, automatic interpretation options, duplicate options, clock and calendar, controls locator, curve plotting and editing
Other	
Enclosure	fire-retardant ABS plastic cover with metal base
Dimensions	23x30x8 cm, 5,9 kg

Performed tests

- **Reproductive function**
  prolactinum, luteinizing hormone(LH), follicle-stimulating hormone (FSH), human chorionic gonadotropin (HCG), antibodies to sperm
- **Endocrinology**
  cortisol, testosterone, androstenedione, progesterone, adrenaline, melatonin, serotonin, STG, estradiol, estriol, ACTH, calcitonin
- **Allergy**
  immunoglobulin E, antibodies to allergens, histamine
- **Vitamins**
  vitamin D
- **Pregnancy**
  HCG in urine and in serum
- **Autoimmune and system diseases**
  rheumatoid factor, C-reactive protein, ASLO, antibodies to DNA and RNA (dsDNA, histones, SS-A, SS-B, RNP, Scl-70, Sm, Jo-I)

Stat Fax® 4700

Microstrip reader

- Compact stand-alone microstrip analyzer
- Microprocessor provides all existing calculation methods in EIA, creating and saving calibration curves
- Built-in printer
- Graphic touch-screen LCD display
- Filters

Ordering information

Description	Code
Stat Fax® 4700 microstrip reader, standard set	SF4700
Additional	
6 VIS filters: 545, 600 nm (should be ordered when placing an order for the analyzer)	6VIS
6 UV filters: 340, 545 nm (should be ordered when placing an order for the analyzer)	6UV
Dri-Dye® check strips	DD
Paper (10 rolls)	WM

Performed tests

- **Infections**
- **Tumor markers**
- **Thyroid function**
- **Reproductive function**
- **Endocrinology**
- **Allergology**
- **Vitamins**
- **Pregnancy**
- **Autoimmune and system diseases**

Specifications

Photometric	
Linear measurement range	0.0 to 3.0 Absorbance units (A)
Photometric accuracy	0.0—1.0 A +/- (1% of the reading + 0.010A) >1.0 A +/- (2% of the reading + 0.010A)
Stability	drift of no more than 0.005A in 8 hours/bichromatic
Light source	tungsten-xenon lamp source with lamp saver feature
Standard wavelengths	standard: 405, 450, 492, and 630 nm 6-VIS: 405, 450, 492, 545, 600 and 630 nm 6-UV: 340, 405, 450, 492, 545, and 630 nm alternate filters available from 340 to 880 nm
Filter type	IAD hardcoat interference, 10 nm half bandpass
Vessel	single or break-apart strips up to 12 wells long 3-strip loading capacity
Transport mechanism	auto-track automatic strip transport
Electronic	
Display	interactive touch-screen 3.5" LCD, color graphic display
Printer	thermal dot matrix, with graphic capability
Power requirements	100V or 240V AC, 1.2A, 50-60Hz (auto-sensing)
Interface	USB mouse
Software	
Speed	reads, calculates and prints results, 35 seconds per 12-well strip
Calculation modes	single point calibration, point-to-point curve fit, linear regressions with log, lin, and log-logit axes selections, and non-linear regression with cubic spline calculation
Test menu	120 open channels to store tests. Stores all parameters including wavelengths, calculations, unit codes, ranges, interpretations, calibrator values, controls, test names, and previous curves
Other	
Enclosure	painted flame-retardant ABS plastic cover and base
Dimensions, weight	approx. 24x34x13 cm, weighs 4.5 kg

Dri-Dye® check strips for performance verification of microstrip and microplate readers

Dri-Dye® Check Strips are an easy, economical way to monitor calibration, linearity, and repeatability of microstrip and plate readers.

Each kit comes with Calibration charts, linearity plots and repeatability records, six prefilled strips, and a reusable strip tray for use with plate readers.

Dri-Dye® Check Strips simulate true test conditions better than neutral density filters by providing information about filtering capacity. Simply add water, read and compare results to pre-determined acceptance criteria.

- Long shelf life at room temperature
- NIST traceable absorbance calibration
- Wavelengths available 405nm, 450nm, and 492nm

Stat Fax® 2100*

Microplate reader

- Microprocessor provides all existing calculation methods in EIA, creating and saving calibration curves
- Open system for any methods and reagent systems
- Non-volatile memory
- Built-in shaker
- External printer (option)
- 4 standard filters (405, 450, 492, 630 nm)

* this model is available in selected markets only

Ordering information

Description	Code
Stat Fax® 2100 microplate reader, standard set	SF2100
Additional	
6 VIS filters: 545, 600 nm (should be ordered when placing an order for the analyzer)	6VIS
6 UV filters: 340, 545 nm (should be ordered when placing an order for the analyzer)	6UV
External printer (Epson)	LLEP
Dri-Dye® check strips	DD

Performed tests

- **Infections**
- **Tumoral markers**
- **Thyroid gland**
- **Reproductive function**
- **Endocrinology**
- **Allergy**
- **Vitamins**
- **Pregnancy**
- **Autoimmune and system diseases**
- **Drugs**

Specifications

Photometric	
Linear measurement range	0.0 to 3.0 Absorbance units (A)
Photometric accuracy	+/– 1 % or better (NIST)
Stability	drift of no more than 0.005 A in 8 hours
Light source	xenon lamp with lamp saver feature
Lamp warm up time	45 seconds
Wavelengths	standard: 405, 450, 492, and 630 nm 6-VIS: 405, 450, 492, 545, 600 and 630 nm 6-UV: 340, 405, 450, 492, 545 and 630 nm
Filter type	IAD hardcoat interference, 10nm half bandpass
Vessel	standard 96-well microtiter plates, or strip trays
Electronic	
Display	two-line LCD, alpha numeric, 24 characters per line
Printer requirements	parallel or serial: 80 column, 2K byte minimum buffer capacity — Parallel: Hewlett Packard, Canon, or Epson compatible — Serial: Epson compatible only
Keyboard	29-key, domed membrane switch, enunciating
Power requirements	115 V or 230 V AC, 50–60 Hz (switch selectable)
Serial port	2400 Baud, 1 start bit, 8 data, 1 stop, no parity
Non-volatile memory	battery supported RAM, holds approx. 36 tests and curves
Software	
Speed	reads, and prints absorbances of 96 wells in about two minutes
Calculation modes	single point calibration, point-to-point curve fit, polynomial regression, linear regression (log & linear), cutoff absorbance, multipoint % absorbance
Additional features	complete user prompting, flags and error messages, partial plate reading, alphanumeric test naming, automatic interpretation options, duplicate options, clock and calendar, controls locator, self check system, curve plotting and editing
Other	
Mixer	variable time, fixed speed
Enclosure	fire-retardant ABS plastic cover with metal base
Dimensions, weight	approx. 43x37x18 cm, weighs 9 kg

Stat Fax® 2100

Stat Fax® 2100 is a compact, standalone, 1-channel microplate reader. Its streamlined design offers rapid reading, superb optics and on-board curve-fitting software to meet the requirements of modern laboratories.

On board data reduction calculations include single- and multi-point curve fitting, including regressions, plus cutoff absorbance calculations, all with step-by-step user prompting.

Stat Fax® 4200

Microplate reader

- 8-channel photometric module
- Uses standard microplates for all reactions
- Microprocessor provides all existing calculation methods in EIA, creating and saving calibration curves
- Open system for any methods and reagent systems
- Built-in printer
- Graphic touch-screen LCD display
- 4 standard filters (405, 450, 492, 630 nm)

Ordering information

Description	Code
Stat Fax® 4200 microplate reader, standard set	SF4200
Additional	
Additional filters 405 and 700 nm	6-Filters
Dri-Dye® check strips	DD
Paper (10 rolls)	WM

Performed tests

- **Infections**
- **Tumoral markers**
- **Thyroid gland**
- **Reproductive function**
- **Endocrinology**
- **Allergy**
- **Vitamins**
- **Pregnancy**
- **Autoimmune and system diseases**
- **Drugs**

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Specifications

Photometric	
Linear measurement range	0.0 to 4.0 Absorbance units (A)
Photometric accuracy	+/– 1 %
Stability	drift of no more than 0.005 A in 8 hours
Light source	remote halogen lamp source with lamp saver feature
Wavelengths	standard: 405, 450, 492, and 630 nm 6-filter: 405, 450, 492, 545, 600 and 630 nm filter options from 405 nm to 700 nm
Filter type	IAD hardcoat interference, 10 nm half bandpass
Vessel	standard 96-well microtiter plates, or strip trays
Electronic	
Display	interactive 5.7" graphical touch-screen LCD
Printer	thermal dot matrix, 64 characters per line, plus graphics
Power requirements	100 V–240 V AC, 50–60 Hz (auto-sensing)
Interface	USB mouse
Speed	reads absorbances of 96 wells in about 10 seconds
Plate transport	stepper motor
Software	
Calculation modes	single point calibration, point-to-point curve fit, polynomial regression, linear and sigmoidal regression (log & linear), cutoff absorbance, multipoint % absorbance
Additional features	user-programmable open system, selectable plate formatting, alphanumeric test naming, automatic interpretation options, duplicate well options, curve plotting and editing, flags and error messages
Other	
Enclosure	flame-retardant ABS plastic cover and base
Dimensions, weight	approx. 19x20.3x42 cm, weighs 6.8 kg

Stat Fax® 4200

Stat Fax® 4200 is a compact, standalone, 8-channel microplate reader. Its streamlined design offers touch screen interface, rapid reading, superb optics, on-board curve-fitting software, and built-in printer to meet the requirements of modern laboratories.

On board data reduction calculations include single- and multi-point curve fitting, including regressions, plus cutoff absorbance calculations, all with step-by-step user prompting.

ChroMate®

Microplate reader

- Reads absorbances of 96 wells in about 8 seconds
- 8-channel photometer module
- Analysis performed in standard microplates
- PC controlled
- User-friendly intuitive software interface
- Microprocessor provides all existing calculation methods in EIA
- Open system for any methods and reagent systems
- Saving all calculation methods and results
- 4 standard filters (405, 450, 492, 630 nm)

Ordering information

Description	Code
ChroMate® microplate reader, standard se	4300
Additional	
6-VIS filters: 545, 600 nm (should be ordered when placing an order for the analyzer)	6-VIS
Personal computer with a printer	WM
Dri-Dye® check strips	DD
Paper (10 rolls)	WM

Performed tests

- **Infections**
- **Tumoral markers**
- **Thyroid gland**
- **Reproductive function**
- **Endocrinology**
- **Allergy**
- **Vitamins**
- **Pregnancy**
- **Autoimmune and system diseases**
- **Drugs**

Specifications

Photometric	
Optical measurement range	0.0 to 4.0 Absorbance units (A)
Photometric accuracy	+/– 1 %
Stability	drift of no more than 0.005 A in 8 hours
Light source	Repote halogen lamp source with lamp saver feature
Wavelengths	Standard: 405, 450, 492 and 630 nm 6-filter: 405, 450, 492, 545, 600 and 630 nm Filter options from 405 nm to 700 nm
Filter type	IAD hardcoat interference, 10 nm half bandpass
Vessel	Standard 96-well microtiter plates, or strip trays
Electronic	
Power requirements	100–240 V AC, 50–60 Hz (auto-sensing)
PC connection	USB port
Speed	Reads absorbances of 96 wells in about 12 seconds
Plate transport	Stepper motor
Software	
Calculation modes	single point calibration, point-to-point curve fit, polynominal regression, linear and sigmoidal regression (log&linear), cutoff absorbance, multipoint % absorbance
Additional features	user-programmable open system, selectable plate formatting, alphanumeric test naming, automatic interpretation options, duplicate well options, curve plotting and editing, flags and error messages
PC requirements	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Other	
Enclosure	All metal enclosure
Dimensions, weights	approx. 19x20.3x42 cm, 4.5 kg

ChroMate®

ChroMate® is a compact, 8-channel microplate reader. Its streamlined design and minimal footprint offers superb optics to fit any size lab bench. ChroMate® and your PC team up to provide rapid reading capability and full access to high level software with, reporting, curve fitting, and data storage, to meet the requirements of modern laboratories.

ChroMate® is an open system that permits users to program a wide variety of assays. Simply select an assay from the stored menu and load the plate. ChroMate® automatically reads the plate, rapidly and precisely measuring absorbance of each welll. ChroMate® runs EIA/EIA and many other applications, with on-board calculations for point-to point, linear and log regressions, and log logit modes.

LumiStat®
Microstrip luminometer

LuMate®
Microplate luminometer

LumiStat®

Microstrip luminometer

- For working with all types of test-systems
- Open system for any methods CLIA
- Economical and user-programmable
- LCD display
- Built-in thermal printer
- Analysis of 3 strips in 1 minute
- LumiCapture software

Ordering information

Description	Code
LumiStat® microstrip luminometer, standard set	LS

Performed tests

- **Reproductive function**
  estradiol, progesterone, general testosterone, LG, prolactinum, SHBG (sex hormone binding globulin), FSH, hCG, DGEA-SO4, non-conjugated, estriol, PAPP-A (pregnancy assotiated plasma protein A), androstenedione

- **Thyroid group**
  total T3, free T3, total T4, free T4, TBH (thyroxin binding protein), TSH, 3rd generation, TSH (supersensitive), absorption test of thyroid hormones, thyroglobulin (TG), antibodies to TPO, AT-TG

- **Tumoral markers**
  REA (cancer and embryonic antigene), PSA, 3rd generation, PSA (supersensitive), free PSA, CA 125, AFP, PAP (prostatic acid phosphatase), CA 19-9, CA 15-3, NMP22 (nuclear matrix protein), beta 2-microglobulin, cytokeratin 18

- **Infectious diseases**
  Anti-HBs, HBs Ag, HBs Ag confirmative, Anti-HBc, Anti-HBc IgM, IgG to cytomegalovirus, IgG to rubella virus (quantitative), IgM to rubella virus, IgG to toxoplasma (quantities.), IgM to toxoplasma, H. Pylori, IgG semi-quantitative, IgG to herpes virus I and II, total antibodies to Lyme disease

- **Anemia**
  ferritin, folic acid, B12 vitamin, erythropoetin

Specifications

Sensitivity/detection limit	HRP $1x10^{-18}$, Alk Phos $1x10^{-21}$ moles
Linear dynamic range	10^6 RLU
Cross talk	less than $2.5x10^{-4}$
Detector	photomultiplier (PMT)
Detection mode	glow luminescence
Calculation modes	multi-point calibration with regression or point-to-point curve fit with curve storage option, relative light unit
User interface	— USB mouse; USB port for thumb drive interface for firmware updates — PC connectivity via included software and USB cable — Note: mouse, thumb drive and USB cable are not included
Calculation modes	Relative Light Units, Single Standard, Factor, multi-point calibration with point-to-point or cubic spline, linear regressions with log, linear, and log-logit selections with curve storage, and cutoff mode selections
Power requirements	100–240 VAC, 1.2 A max. universal input
Dimensions, weight	approx. 24x34x13 cm, 2.3 kg

Performed tests

- **Cytokines**
  interleykin-6 (IL6), IL8, IL-1b, IL2R, TNF-a (necrosis factor tumors), LBP (lipopolyssacharide binding protein)

- **Cardiovascular markers**
  creatine kinase-MB, homocysteine, myoglobin, troponin I (Tn I), troponin T (Tn T)

- **Diabetes**
  insulin, S-peptide

- **Drugs monitoring**
  phenobarbital, phenytoin, carbamazepine, valproic acid, tobramycin, digoxin, digitoxin, theophylline, gentamycin, vancomycin

- **Narcotic substances**
  cocaine, opiates, cannabinoids, metabolites of nicotine, amphetamine, methamphetamine

- **Analytes**
  C-reactive protein, cortisol, IGFBP3 (protein connecting insulin / similar growth inducer-3), IGF1 (insulin / similar fgrowth inducer-1), gastrin, ACTH, STH, albumin

- **Allergens**
  General IgE, IgE to cat, dog, mite allergen, food allergens, allergens to latex, grass, animals, mold, trees, weeds, ESR, allergic Ala TOP panel, eosinophilic cathionic protein (ECP)

- **Veterinary**
  T4 for a dog, TSH for a dog, TSH for a rat

LuMate®

Microplate luminometer

- Possibility to place on a table of any size
- 1-channel instrument with photomultiplier
- Analysis performed in standard white strips and microplates
- Direct control from a PC
- User-friendly intuitive software interface
- Construction of curves
- Open system for any methods CLIA
- Saving all calculation methods and results

Ordering information

Description	Code
LuMate® microplate luminometer, standard set	LM
Additional	
Personal computer with a printer	WM

Performed tests

- Reproductive function
- Thyroid group
- Tumoral markers
- Infectious diseases
- Anemia
- Cytokines
- Cardiovascular markers
- Diabetes
- Drugs monitoring
- Narcotic substances
- Analytes
- Allergens
- Veterinary

Specifications

Optical	
Detection mode	glow luminescence
Sensitivity/detection limit	HRP $1x10^{-18}$, ALP $1x10^{-21}$, other tests pending
Linear dynamic range	10^6 RLU
Cross talk	less than $2.5x10^{-4}$
Detector	photomultiplier (PMT)
Spectral response range	300–650 nm
Peak wavelength	400 nm
Vessel	96 wells in strip tray or plate
Electronic	
PC connection	USB port
Microprocessor	eZ80
Plate transport	Stepper motor
Power requirements	100–240 V AC, 50–60 Hz (auto-sensing)
Software	
PC interface	LuMate® manager software — included. PC not included.
Calculation modes	Multi-point calibration with regression or point-to-point curve fit with curve storage option, relative light units
Additional features	— user-programmable open system with curve plotting and editing — selectable plate formatting with duplicates and end-reading selections — multiple timed reading options — automatic interpretation options — alphanumeric test naming — flags and error messages
PC requirements	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Other	
Enclosure	All metal enclosure
Dimensions, weight	approx. 19x20.3x42 cm, 5 kg

LuMate®

The increased range and sensitivity of CLIA (Chemi Luminescent Immuno Assays) is no longer just for high volume labs. LuMate® brings this technology to any size lab. LuMate® reads a 96-well microplate and calculates results instantly and automatically.

LuMate® is an open system that permits users to program a wide variety of glow-type CLIAs. Simply select an assay from the stored menu and load the plate. LuMate® automatically reads the plate, precisely measuring and reporting the light output from each well. LuMate® 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.

Stat Fax® 2600
Microplate washer

Stat Wash 3100
Microstrip washer

Stat Fax® 2200
Incubator-shaker

Stat Fax® 2600

Microplate washer

- Automatic washing of microplates and microstrips with flat, round and V-like bottom
- Automatic calibration
- Constant “ready to work” mode
- Programmable automatic rinse cycle
- Operation time for one microplate single washing: 55 seconds
- Up to 50 washing methods

Ordering information

Description	Code
Stat Fax® 2600 microplate washer, standard set	SF2600
Stat Fax® 2600+ microplate washer with dual bottle wash system, standard set	SF2600+

Equipment set of EIA laboratory

Stat Fax® 2100
microplate reader

Stat Fax® 2600
Microplate washer

Stat Fax® 2200
Incubator-shaker

External printer (Epson)

Specifications

Fluid performance (with 8-probe head)	
Residual volume	<3 mL
Dispense accuracy	<3 % CV at 300 mL
Processing time (full plate)	55 seconds aspirate/dispense with single or double aspirate
Liquid contact materials	Stainless steel, delrin, silicone, nylon, PVC, polypropylene, HDPE
Electronic	
Display	two-line LCD, alphanumeric, 24 characters per line
Keyboard	16-key, domed membrane switch, 4x4, enunciating
Power requirements	115 V or 230 V AC, 50–60 Hz (switch selectable)
Microprocessor	Z80A or Z180
Non-volatile memory	battery supported RAM, holds approx. 50 wash protocols
Software	
Washing programs	aspirate, dispense, mix, soak — up to 99 minutes 99 secs
Special menu options	— Auto alignment — senses physical geometry of the head, plate, and carrier mechanism — Standby — disables pumps and releases vacuum and pressure — Self check — performs internal performance tests and auto alignment — Auxiliary — selection of well type, select auto/manual well depth and dispense depth, constant plate cycle time, viewing of pre-programmed tests, configure auto-rinse, set the time and date
Other	
Bottles	wash and waste 2L, rinse 1L, plastic with volume sensor probes
Enclosure	fire retardant ABS plastic cover with metal base
Dimensions, weight	approx. 39x34x19 cm, 8.6 kg
Stat Fax® 2600+ added features	
Bottles	Wash-1, Wash-2, and Waste (2L), Rinse (1L), plastic with volume sensor probes
Mix function	programmable mix time during soak cycle
Row selection	user may select individual rows to wash, skipping used wells

Equipment set for CLIA

LuMate®
microplate luminometer

Personal computer
with a printer

Stat Fax® 2600
Microplate washer

Stat Fax® 2200
Incubator-shaker

Stat Wash 3100

Microstrip washer

- Compact, economy washing device
- Easy in use
- Prompt cleaning of strips and plates
- 8-channel head
- Filling and suction control is made with 2 buttons
- Pre-set dispense volume
- Bottles for washing buffer and wastes

Ordering information

Description	Code
Stat Wash 3100 microstrip washer, standard set	SF3100

Equipment set of EIA laboratory

Stat Fax® 303+
Microstrip reader

Stat Wash 3100
Microstrip washer

Stat Fax® 2200
Incubator-shaker

Dri-Dye® check strips

Specifications

Features	— working with plates and strips with flat, round and V-bottom wells — 8-channel dispensing and aspirating head — dispense time adjustable from approximately 0.2 sec to 1.5 sec, approximately 100 to 500 microliters — two plastic bottles 1L volume with electronic level sensor — liquid contact materials — stainless steel, Delrin, silicone, nylon, PVC, polypropylene, PETG (Polyethylene terephthalate) — painted body cover made of metal — built-in pump with cyclic mode, working only when necessary, to ensure extremely quiet operation
Electronics	— pressure control — waste level sensor and variable dispensing volume — filling sensor: stainless steel — pressure sensor: piezoresistive bridge — valves: (2) low-voltage pinch valve for silicone tubing with electronic control; (1) mechanical reed check — pump: low voltage, electronic control for diaphragm
Power requirements	12 V DC, 2 A, with adapter
Temperature, humidity	15–35 ºC, less then 85 %
Dimensions	19x13x10 cm
Handle	23x8x6 cm with 90 cm tubing
Bottles	two, 10x10x25 cm each
Weight	1.8 kg (instrument with bottles and handle, excluding adapter)

Equipment set for CLIA

LumiStat®
Microstrip luminometer

Personal computer
with a printer

Stat Wash 3100
Microstrip washer

Stat Fax® 2200
Incubator-shaker

Stat Fax® 2200

Incubator-shaker

- Compact and easy to use
- Holds 2 microplates or microstrip trays
- Alphanumeric display
- Microprocessor control for amplitude and shaking speed
- 8 shaking modes from 575 to 1500 rpm
- Cover to protect from light and dust
- Digital time setting
- Time countdown on display

Ordering information

Description	Code
Stat Fax® 2200 incubator-shaker, standard set	SF2200

Equipment set of EIA laboratory

ChroMate®
Microplate reader

Personal computer
with a printer

Stat Fax® 2600
Microplate washer

Stat Fax® 2200
Incubator-shaker

Specifications

Incubator	
Temperature range	ambient to 40 °C
Resolution	0.1 °C
Uniformity with cover	better than +/– 0.4 °C
Mechanism	enclosed, warm aluminium bed with air circulation
Mixer	
Speeds	8 gradual steps from 575 to 1500 RPM
Options	continuous or pulse
Mechanism	rotating counter weight
Timer	
Modes	set time, view time remaining, audible signal (stops mixing but maintains temperature control after time-out)
Resolution	1 second
Range	1 second to 99 minutes, 59 seconds
Electronic	
Display	four 7-segment red LEDs
Keyboard	16 key, domed membrane switch, enunciating
Power requirements	12 V AC, 2 amps. Adapters available for 120 V or 230 V power with US or Euro plugs
Microprocessor	Z80A or Z180
Other	
Vessel	holds 2 standard microtiter plates or strip trays
Enclosure	fire-retardant ABS plastic enclosure with metal base
Dimensions, weight	approx. 43x37x18 cm, 3.3 kg

Equipment set of EIA laboratory

Stat Fax® 4700
microstrip reader

Stat Wash 3100
Microstrip washer

Stat Fax® 2200
Incubator-shaker

Dri-Dye® check strips

ChemWell®-T
Automated chemistry analyzer

ChemWell® 2902 (Chemistry)
Automated chemistry analyzer

ChemWell® Fusion (CLIA)
Automated CLIA analyzer

ChemWell® 2910 (EIA)
Automated EIA analyzer

ChemWell® 2910 (Combi)
Automated chemistry and EIA analyzer

ChemWell® Fusion (Combi)
Automated EIA and CLIA analyzer

ChemWell®-T

Automated chemistry analyzer

- Full range of chemistry and immuno-turbidimetric assays
- Small size
- Fully automated
- Quality control software
- Open system for any reagents and methods
- Reaction volume 200 µl
- Plotting and editing reaction graphs, calibration curves, including kinetic reactions
- 100 tests per hour
- Processes up to 37 reagents simultaneously
- 1-channel photometer module
- Filters: 340, 405, 505, 545, 580, 630 nm and 2 optional
- Reagent cooling block

Ordering information

Description	Code
ChemWell®-T automated chemistry analyzer, standard set	CW4610
Additional	
Personal computer with a printer	WM
Redi-Check® photometer check set	RC

Performed tests

- **Enzymes**
- **Substrates**
- **Lipids**
- **Electrolytes**
- **Serum proteins immune turbidimetry**
- **Serum proteins latex immune turbidimetry**
- **Hemostasis**
- **Drugs**

Specifications

General	
Typical throughput	Up to 100 tests per hour
Minimum reaction volume	200 µL
Reaction vessel	5-segment express 550 cuvettes
Maximum volume	500 µL
Dimensions	53x40x50 cm
Weight	15 Kg
Reagent and sample handling	
Functions	Dilution, pre-dilution, dispensing single or multiple reagents
Syringe pump	Capacity 500 µL, range 2–400 µL, resolution 0.5 µL
Probe	316 stainless steel for maximum reagent compatibility, level sensing
Mixing	Probe oscillation, time and speed adjustable
Precision for volumes <5 µL	<3 % CV
Precision for volumes >5 µL	<2 % CV
Max. number of reactions	40
Max. number of reagents/ samples	Combined 37 in standard rack. Assorted replaceable racks. Total can be increased with custom design
Instrument bottles	250 mL priming bottle, 2 L drain bottle
Incubating, timing, and temperature control	
Thermal control	Ambient or 37 °C (other options also available). Incubation timing is software controlled and automatically optimized
Reagent cooling	Reagent Cooling is standard; cools 9–12 °C below ambient through Peltier thermoelectric module
Reading	
Optical design	User-selected monochromatic or bichromatic results. 8 position filter wheel: 340, 405, 505, 545, 580, 630, + two optional
Interference filters	Long life, hard coat, ion assisted deposition, 10nm typical half bandpass
Linear range	0.0 to 3.0 A
Photometer accuracy	± (1 % of the reading +0.005 A from 0 to 1.5 A) ± (2 % of the reading +0.005 A from 1.5 to 3.0 A)
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Calculation modes	Absorbance, single standard, factor, fixed time kinetics, kinetics by standard or factor, multi-calibrator point-to-point, linear regressions, cubic spline, and percent absorbance
Self monitoring modes	Lamp, filters, reagent levels, mechanical function, and more
QC options	Store control data, print Levey-Jennings or QC range plots

Awareness Technology has achieved a new level in Cost-Effective designs. ChemWell®-T is a fully automated, random access analyzer for Biochemistry and Immuno-Turbidimetric assays, designed specifically for lower throughput labs, specialty labs, and to serve as a dependable backup analyzer.

ChemWell®-T provides outstanding value from the day of purchase, through daily operation, and through the instrument's entire life cycle.

ChemWell® 2902 (Chemistry)

Automated chemistry analyzer

- Full range of chemistry and immune chemistry tests
- Fully automatic
- Quality control included in software
- Open system for any reagents and methods
- Reaction volume 200 µl or less
- Plotting and editing reaction graphs, calibration curves, including kinetic reactions
- 200 tests per hour
- Built-in temperature control device 25, 37 °C, ambient
- Processes up to 44 reagents simultaneously
- 4-channel photometry module
- 8 filters (340, 405, 450, 505, 545, 600, 630, 700 nm)

Ordering information

Description	Code
ChemWell® 2902 (Chemistry) automated chemistry analyzer, standard set	CW2902
Additional	
RCA reagent cooling block, protects reagents from ambient heat (must be ordered at the same time as analyzer)	RCA
Personal computer with a printer	WM
Redi-Check® photometer check set	RC

Performed tests

- **Enzymes**
  AST, ALT alpha-amylase, gamma-GT, creatine kinase, creatine kinase — MB, acid phosphatase, lipase, alkaline phosphatase, acid phosphatase, cholinesterase, HBDH, LAP, PHI
- **Substrates**
  Uric acid, albumin, bilirubin total and direct, creatinine, glucose, hemoglobin, lactate, total protein, microalbumin in urine, urea, proteins in urine and CSF, fructosamine
- **Lipids**
  Cholesterol, HDL Cholesterol, LDL cholesterol, triglycerides, phospholipids, total lipids
- **Electrolytes**
  Sodium, potassium, calcium, chlorides, iron, TIBC, magnesium, phosphorus, copper, zinc

Specifications

General	
Features	Random Access, STAT Testing, simultaneous tracing several tests
Throughput	— 200 end-point tests per hour — 170 kinetic tests per hour
Reaction volume	up to 280 µl
Calibration	— one- and multipoint — calibration saving
Control	external PC with printer
Functions	dilutions, pre-dilutions, dispensing one or several reagents
Kinetics	full kinetics with creation reaction plot
Monitoring	automatic monitoring for all functions
Reagents and samples	
Reagent rack	for placing vials of different size
Two syringe pumps	50 µl and 2.5 ml
Sample probe	stainless steel with level sensor
Min/max sample volume	2 µl (minimal) / 1.95 ml (maximal)
Precision for volumes <5 µl	< 2.5 % CV
Precision for volumes >5 µl	< 1 % CV
Sample rack	96 samples
Reagent rack	27 (standard), 44 (optional)
Reaction vessel	standard microwells, strips and plates
Bottles	1 l bottle for syringe filling
Incubation, time and temperature control	
Chemistry	group control of 4 wells
Thermal control	thermostat for microplate and sample probe 25, 37 °C, ambient
Measuring	
Optical module	4-channel
8 filters	340, 405, 450, 505, 545, 600, 630, 700 nm
Linearity range	from 0.0 to 3.0 A
Photometer accuracy	±1 %
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Methods	absorbance by single standard, by factor, kinetics by fixed time, kinetics by standard or by factor, multipoint calibration, linear regression, log-logit, cubic spline, polynomial, cut off by absorbance & standard
Various	
Power supply	100–250 V AC, 50/60 Hz, 160 W, CAT II
Temperature, humidity	15–35 °C, humidity less than 85 %
Dimensions, weight	92x54.6x47.6 cm, 36 kg

Performed tests

- **Serum proteins immune turbidimetry**
  Apolipoproteins A1, B, CII, CIII, E, alfa-1-antitrypsine, alfa-2-macroglobulin, alfa-1-glicoprotein acid, antithrombin III, ceruloplasmin, C-1-esterase, complement C 3, complement C 4, haptoglobin, IgG, IgA, IgM, cappa (light chain Ig), lambda (light chain Ig), prealbumin, transferrin

- **Serum proteins latex immune turbidimetry**
  C-reactive protein (CRP), rheumatoid factor (RF), antistreptolysin O (ASO), lipoprotein (a) LP(a), beta-2-microglobuline, ferritin, immunoglobulin E (IgE), myoglobin, microalbumin, alfa-phetoprotein, glicated hemoglobin

- **Hemostasis**
  antitrombin III, protein C, protein inhibitor C, D-dimer

- **Drugs**
  alcohol, amphetamine, barbiturates, benzodiazines, cocaine, cotinine, ecstasy (MDMA), methadone, methadone metabolites (EDDP), opiates, oxycodone, phencyclidine (PCP), propoxypine, cannabinoids

ChemWell® Fusion (CLIA)

Automated CLIA analyzer

- User-programming of wide range of test systems
- Performs dilutions and pre-dilutions; dispenser volumes range from 2 µl to 250 µl. Works with several test-systems simultaneously
- Works with 96-well microplates, 12 standard 8-well microtiter, 8 standard 12-well microplates
- Programmable sampler rinser prevents reagents from contamination

Ordering information

Description	Code
ChemWell® Fusion (CLIA) automated CLIA analyzer, standard set	CW4800CLIA
Additional	
RCA reagent cooling block, protects reagents from ambient heat (must be ordered at the same time as analyzer)	RCA
Personal computer with a printer	WM

Performed tests

- Reproductive function
- Thyroid function
- Tumor markers
- Infections
- Anemia
- Cytokines
- Cardiovascular markers
- Diabetes
- Drug monitoring
- Drugs
- Analytes
- Allergology
- Vitamins
- Veterinary

Specifications

General	
Features	Random Access, STAT Testing, simultaneous tracing several tests
Throughput	— 170 kinetic tests per hour
Reaction volume	up to 250 µl
Calibration	— one- and multipoint — calibration saving
Control	external PC with printer
Functions	dilutions, pre-dilutions, dispensing one or several reagents
Kinetics	full kinetics with creation reaction plot
Monitoring	automatic monitoring for all functions
Reagent and sampling dispensing	
Reagent rack	for placing vials of different size
Two syringe pumps	50 µl and 2.5 ml
Sample probe	stainless steel with level sensor
Min/max sample volume	2 µl (minimal) / 1.95 ml (maximal)
Precision for volumes >5 µl	< 1 % CV
Sample rack	96 samples
Reagent rack	27 (standard), 44 (optional)
Reaction vessel	standard microwells, strips and plates
Bottles	— 2 l wash bottle with low level sensor — 1 l rinse bottle with low level sensor — 2 l waste bottle with filling sensor — 1 l bottle for syringe filling
Incubating, timing and temperature control	
Thermal control	thermostat for microplate and sample probe 25, 37 °C, ambient
Washing	
Washer	8-channel washing device
Software	creating, editing washing protocol
CLIA measuring	
Detector	Photoamplifier (PMT)
Sensitivity range	300-650 nm
Sensitivity	HRP 1x10-18 mol, ALP 10-21 mol
Sensitivity peak	400 nm
Linearity range	from 0.0 to 3.0 A
Photometer accuracy	±1 %
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Other	
Power supply	100–250 V AC, 50/60 Hz, 160 W, CAT II
Temperature, humidity	15–35 °C, humidity less than 85 %
Dimensions, weight	86x51x40 cm, 36 kg

ChemWell® Fusion (CLIA)

ChemWell® Fusion (CLIA) is an affordable automated open system. It is PC-controlled and includes a comprehensive software package. Smart software optimizes throughput while starting tests at intervals to avoid timing conflicts. The software manages each assay separately so that multiple assays can be processed on the same plate even if they have different timings, reagents, and reading modes. Patented optical system uses PMT (photomultiplier) to detect light signals from Luminescence and from 4 standard wavelengths for Absorbance. The patented scan head prevents crosstalk.

CLIA

CLIA is a modern method for laboratory diagnostics. CLIA method is similar to the EIA, but has a higher specificity and sensitivity as well as takes less time.

ChemWell® 2910 (EIA)*

Automated EIA analyzer

- Full range of immune-enzyme analysis performed in standard microplates
- Fully automatic
- Quality control software
- Open system for any reagents and methods
- 44 is a maximum number of reagents used simoultaneiously
- Separate incubation time control for each strip of 8 wells
- 4-channel photometry module
- 8 filters (340, 405, 450, 505, 545, 600, 630, 700 nm)
- Integrated thermostat 25°C, 37°C, ambient
- 8-channel washing device

* this model is available in selected markets only

Ordering information

Description	Code
ChemWell® 2910 (EIA) automated EIA analyzer, standard set	CW2910EIA
Additional	
RCA reagent cooling block, protects reagents from ambient heat (must be ordered at the same time as analyzer)	RCA
Personal computer with a printer	WM
Dri-Dye® check strips	DD

Performed tests

- **Infections**
- **Tumor markers**
- **Thyroid function**
- **Reproductive function**
- **Endocrinology**
- **Allergology**
- **Vitamins**
- **Pregnancy**
- **Autoimmune and system diseases**

Specifications

General	
Features	Random Access, STAT Testing, simultaneous tracing several tests
Throughput	— 200 end-point tests per hour — 170 kinetic tests per hour
Reaction volume	up to 280 µl
Calibration	— one- and multipoint — calibration saving
Control	external PC with printer
Functions	dilutions, pre-dilutions, dispensing one or several reagents
Kinetics	full kinetics with creation reaction plot
Monitoring	automatic monitoring for all functions
Reagent and sampling dispensing	
Reagent rack	for placing vials of different size
Two syringe pumps	50 µl and 2.5 ml
Sample probe	stainless steel with level sensor
Min/max sample volume	2 µl (minimal) / 1.95 ml (maximal)
Precision for volumes <5 µl	< 2.5 % CV
Precision for volumes >5 µl	< 1 % CV
Sample rack	96 samples
Reagent rack	27 (standard), 44 (optional)
Reaction vessel	standard microwells, strips and plates
Bottles	— 2 l wash bottle with low level sensor — 1 l rinse bottle with low level sensor — 2 l waste bottle with filling sensor — 1 l bottle for syringe filling
Incubating, timing and temperature control	
EIA	incubation time control by strip
Thermal control	thermostat for microplate and sample probe 25, 37 °C, ambient
Washing	
Washer	8-channel washing device
Software	creating, editing washing protocol
Measuring	
Optical module	4-channel
8 filters	340, 405, 450, 505, 545, 600, 630, 700 nm
Linearity range	from 0.0 to 3.0 A
Photometer accuracy	±1 %
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Methods	absorbance by single standard, by factor, kinetics by fixed time, kinetics by standard or by factor, multipoint calibration, linear regression, log-logit, cubic spline, polynomial, cut off by absorbance & standard
Other	
Power supply	100–250 V AC, 50/60 Hz, 160 W, CAT II
Temperature, humidity	15–35 °C, humidity less than 85 %
Dimensions, weight	92x54.6x47.6 cm, 36 kg

ChemWell® 2910 (EIA)

ChemWell® is a completely open system that is easy to program. Set up assays, routine jobs, quality control, panels, and even index calculations to suit your laboratory. With a completely open system you can program additional wash volume, increase the number of washes, or even direct the probe to pick up and dispense a probe cleaning solution after each specimen. And it is entirely password protected.

Precise pipetting of low volume specimens, elimination of carryover, and careful control of temperature are all essential for reliable results. ChemWell® 2910 (EIA) can make pre-dilutions. However, this is rarely necessary since a high level of precision is achieved even with a 2uL sample. ChemWell® 2910 (EIA) can process EIA at ambient temperature or 37°C. An incubator is provided for biochemistry wells to provide precise kinetic reactions. The probe is also temperature controlled to deliver 37°C reagents.

ChemWell® 2910 (Combi) — 2 analyzers in 1

Automated chemistry and EIA analyzer

- Open system for any reagents and methods
- Random access, STAT testing, simultaneous tracing of several tests
- Standards microplates for all reactrions
- Functions: pre-diluting, dispensing, mixing, incubation, washing, measuring and parameters calculation

Chemistry analysis

- Enzymes
- Substrates
- Lipids
- Electrolites
- Serum proteins immunoturbidimetry
- Serum proteins latex immunoturbodimetry

EIA testing

- Infections
- Tumor markers
- Thyroid hormones
- Reproductive function
- Endocrinology
- Allergy
- Vitamins
- Pregnancy
- Autoimmune and system diseases

Drugs

Ordering information

Description	Code
ChemWell® 2910 (Combi) automated chemistry and EIA analyzer, standard set	CW2910Combi
Additional	
RCA reagent cooling block, protects reagents from ambient heat (must be ordered at the same time as analyzer)	RCA
Personal computer with a printer	WM
Dri-Dye® check strips	DD

Specifications

General	
Features	Random Access, STAT Testing, simultaneous tracing several tests
Throughput	— 200 end-point tests per hour — 170 kinetic tests per hour
Reaction volume	up to 280 µl
Calibration	— one- and multipoint — calibration saving
Control	external PC with printer
Functions	dilutions, pre-dilutions, dispensing one or several reagents
Kinetics	full kinetics with creation reaction plot
Monitoring	automatic monitoring for all functions
Reagent and sampling dispensing	
Reagent rack	for placing vials of different size
Two syringe pumps	50 µl and 2.5 ml
Sample probe	stainless steel with level sensor
Min/max sample volume	2 µl (minimal) / 1.95 ml (maximal)
Precision for volumes <5 µl	< 2.5 % CV
Precision for volumes >5 µl	< 1 % CV
Sample rack	96 samples
Reagent rack	27 (standard), 44 (optional)
Reaction vessel	standard microwells, strips and plates
Bottles	— 2 l wash bottle with low level sensor — 1 l rinse bottle with low level sensor — 2 l waste bottle with filling sensor — 1 l bottle for syringe filling
Incubating, timing and temperature control	
EIA	incubation time control by strip
Thermal control	thermostat for microplate and sample probe 25, 37 °C, ambient
Washing	
Washer	8-channel washing device
Software	creating, editing washing protocol
Measuring	
Optical module	4-channel
8 filters	340, 405, 450, 505, 545, 600, 630, 700 nm
Linearity range	from 0.0 to 3.0 A
Photometer accuracy	±1 %
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Methods	absorbance by single standard, by factor, kinetics by fixed time, kinetics by standard or by factor, multipoint calibration, linear regression, log-logit, cubic spline, polynomial, cut off by absorbance & standard
Other	
Power supply	100–250 V AC, 50/60 Hz, 160 W, CAT II
Temperature, humidity	15–35 °C, humidity less than 85 %
Dimensions, weight	92x54.6x47.6 cm, 36 kg

Multitask capability

An open system in which you can program profiles for any chemisty and EIA tests. Standard microplates are used for all tests. Minimum quantity of reagents. There is no need for disposable microplates: allows the repeated use of microplates for tests after their washing.

Flexibility

The analyzer works with any tests and reagents. Using original vials and bottles doesn't require transferring the reagents.. Moveable racks are taken from the device, refilled, and are ready for the further using. Groups of 4 wells are traced at the same time in chemistry tests model. 8 – well strip is used for EIA tests.

Efficiency

Parallel performance of numerous kinetic tests.. High efficiency (170 kinetic tests/ hour, 200 end-point tests/hour) without accuracy decreasing. Internal laboratory quality control, the of self-checking test, stat testing and repeating the test in case it's out or linearity range

ChemWell® Fusion (Combi) — 2 analyzers in 1

Automated EIA and CLIA analyzer

- CLIA and EIA kits occur simultaneously on the same device and a same plate
- Automatic system with Dual-Reader function, which automatically switches between the analysis of absorption and chemiluminescence
- User-programming of wide range of fluorescent test systems and standard colorimetric EIA tests, including hormone tests, infectious diseases, tumor markers, autoimmune diseases and more
- Performs dilutions and pre-dilutions; dispenser volumes range from 2 µl to 250 µl. Works with several test-systems simultaneously
- Works with 96-well microplates, 12 standard 8-well microtiter, 8 standard 12-well microplates, white for CLIA and transparent for EIA
- Programmable sampler rinser prevents reagents from contamination

Ordering information

Description	Code
ChemWell® Fusion (Combi) automated EIA and CLIA analyzer, standard set	CW2910Fusion
Additional	
RCA reagent cooling block, protects reagents from ambient heat (must be ordered at the same time as analyzer)	RCA
Personal computer with a printer	WM
Dri-Dye® check strips	DD

Performed tests

- Reproductive function
- Thyroid function
- Tumor markers
- Infections
- Anemia
- Cytokines
- Cardiovascular markers
- Diabetes
- Drug monitoring
- Drugs
- Analytes
- Allergology
- Vitamins
- Veterinary

Specifications

General	
Features	Random Access, STAT Testing, simultaneous tracing several tests
Throughput	— 170 kinetic tests per hour
Reaction volume	up to 250 µl
Calibration	— one- and multipoint — calibration saving
Control	external PC with printer
Functions	dilutions, pre-dilutions, dispensing one or several reagents
Kinetics	full kinetics with creation reaction plot
Monitoring	automatic monitoring for all functions
Reagent and sampling dispensing	
Reagent rack	for placing vials of different size
Two syringe pumps	50 µl and 2.5 ml
Sample probe	stainless steel with level sensor
Min/max sample volume	2 µl (minimal) / 1.95 ml (maximal)
Precision for volumes >5 µl	< 1 % CV
Sample rack	96 samples
Reagent rack	27 (standard), 44 (optional)
Reaction vessel	standard microwells, strips and plates
Bottles	— 2 l wash bottle with low level sensor — 1 l rinse bottle with low level sensor — 2 l waste bottle with filling sensor — 1 l bottle for syringe filling
Incubating, timing and temperature control	
EIA	incubation time control by strip
Thermal control	thermostat for microplate and sample probe 25, 37 °C, ambient
Washing	
Washer	8-channel washing device
Software	creating, editing washing protocol
EIA measuring	
Optical module	4-channel
8 filters	405, 450, 592, and 630 nm
Linearity range	from –0.20 to 3.0 A
Photometer accuracy	±1 %
CLIA measuring	
Detector	Photoamplifier (PMT)
Sensitivity range	300-650 nm
Sensitivity	HRP 1x10-18 mol, ALP 10-21 mol
Sensitivity peak	400 nm
Linearity range	from 0.0 to 3.0 A
Photometer accuracy	±1 %
Software	
Format	CD-Rom and Internet upgrades
Operating systems	Windows Vista, XP, or Windows 7
Minimum system	Pentium/133 MHz, 64 MB RAM, SVGA monitor, USB port
Recommended system	Pentium II/333 MHz, 128 MB RAM, CD drive, Windows XP or above
Other	
Power supply	100–250 V AC, 50/60 Hz, 160 W, CAT II
Temperature, humidity	15–35 °C, humidity less than 85 %
Dimensions, weight	86x51x40 cm, 36 kg

ChemWell® Fusion (Combi)

ChemWell® Fusion (Combi) is an affordable automated open system with a Dual-Function reader that automatically switches from reading absorbance to chemiluminescence. ChemWell® Fusion (Combi) is PC-controlled and includes a comprehensive software package. You can program a wide range of glow-luminescent assays and standard colorimetric EIA tests including hormones, infectious diseases, tumor markers, autoimmune and more. Smart software optimizes throughput while starting tests at intervals to avoid timing conflicts. The software manages each assay separately so that multiple assays can be processed on the same plate even if they have different timings, reagents, and reading modes. Patented optical system uses PMT (photomultiplier) to detect light signals from Luminescence and from 4 standard wavelengths for Absorbance. The patented scan head prevents crosstalk.

EIA/EIA

Immunosorbent analysis is a laboratory immunoassay method for qualitative and quantitative detection of specific antibodies (diagnosis of infections, autoimmune diseases) and various antigens: hormones, specific proteins, onco-markers, infectious agents, etc.

CLIA

CLIA is a modern method for laboratory diagnostics. CLIA method is similar to the EIA, but has a higher specificity and sensitivity as well as takes less time.

IONyte
ISE analyzer

IONyte

ISE analyzer

Na+ K+ Cl–

- Direct measurement with ion-selective electrodes
- Whole blood, serum, plasma, water-based control material
- Sample size: about 60 µl
- Efficiency: 60 samples per hour without printing, 40 samples per hour with results printing
- Stainless steel sampler tip
- Analysis time: less than 60 sec
- Ready-to-use reagent kit
- Storage for patient data up to 200 results
- Calibration — on-demand or automatic, with intervals from 1 to 8 hours
- Graphical LCD 3.5"
- Built-in graphic thermal printer

Ordering information

Description	Code
IONyte ISE analyzer, standard set	B11-000
Additional	
Reagent pack with working solution	B11-100
Na electrode for sodium testing	B11-110
K electrode for potassium testing	B11-120
Cl electrode for chlorine testing	B11-130
Paper (10 rolls)	WM

Simplicity

- Plug-in reagent pack
- Touch screen with colors and graphics
- Step by step user prompts
- Self-calibrating and monitoring
- Printed results
- Results stored on-board or download to flash drive

Quality reagent system

- Designed and packaged for compatibility
- NIST traceable Calibrations
- Long stability at room temperature
- Verified precision, linearity, and correlation with reference methods and top-of-the-line products
- Electronically tracks percent remaining and monitors expiration date
- Three-level quality control

Stable electrodes

- Highest quality materials and craftsmanship
- Designed with performance monitoring for membrane deterioration or damage
- Easy to install, refill and maintain
- Self wetting system with monitoring for bubbles, clots, leaks, and worn tubing

Specifications

Method	direct measurement by ion selective electrode
Sample type	whole blood, serum, plasma, aqueous QC material
Sample size	60 µl ± 5 µl
Sample rate	60/hour maximum without printing, 40/hour with printing
Measurement ranges	— Sodium — 40-205 mmol/L — Potassium — 1.5-15.0 mmol/L — Chloride — 50-200 mmol/L
Sample probe	306 stainless steel
Vessels	Capillary tubes with adaptor, tubes up to 100 mm depth, syringes, sample cups
Electrodes	— Sodium (Na) electrode — Potassium (K) electrode — Chloride (Cl) electrode
Analysis time	Typically <60 seconds
Patient data storage	200 results, with capability to assign a 15 character patient identifier
QC data storage	270 (30 readings each of 3 controls for each of 3 electrodes, includes Levey-Jennings)
Calibration	On demand or automatic from 1 to 8 hour intervals
Power requirements	100-240VAC, 50-60Hz 90W
Dimensions	maximum 35,5x30,5x20cm (WxHxD)
Weight	with reagent pack: 6.6 kg
Display	interactive touch screen 3,5" LCD, color graphic display
Interface	indirect via USB drive (included)
Printer	thermal dot matrix with graphic capability, 29-character width

Convenient and safe

- Start-up kit includes everything you need
- "Smart" software provides warnings, reminders, and error messages
- Environmentally friendly materials
- Self-contained waste bag with safety valve protection
- Fully tested for electrical safety

Intelligent user interface

- IONyte can be easily programmed to conform to established laboratory protocols
- The software allows selection of a variety of performance options
- Patient and quality control reference ranges and patient identification numbers are conveniently entered via the numeric keypad
- Intuitive user-friendly screen prompts
- Automatically stores data for Levey-Jennings plots

ReQuest®
Immunoassay kits

Dexall®
Solutions for Allergies and H. pylori

ReQuest®

Immunoassay kits

- Provide outstanding sensitivity, specificity, accuracy and precision
- Meets the productivity needs of a wide range of laboratories
- Assures reliable, high performance, user-friendly, and cost effective
- Diagnostic test methods for TORCH, Autoimmune panels, Infectious disease markers and more
- Manufactured in the USA

ReQuest® kits are recommended for:

Stat Fax® 4700
Microstrip reader

Stat Fax® 2100
Microplate reader

Stat Fax® 4200
Microplate reader

ChroMate®
Microplate reader

Range of test methods

Serological Markers for TORCH	
Toxo IgG	detection of human IgG antibodies to toxoplasma gondii
Toxo IgM	detection of human IgM antibodies to toxoplasma gondii
Rubella IgG	detection of human IgG antibodies to rubella virus
Rubella IgM	determination of human IgM antibodies to rubella virus
CMV IgG	detection of human IgG antibodies to cytomegalovirus
CMV IgM	detection of human IgG antibodies to cytomegalovirus virus
HSV 1&2 IgG	detection of human IgG antibodies to type 1 and type 2 herpes simplex virus
HSV IgG 1	detection of human IgG antibodies to type 1 herpes simplex virus
HSV IgG 2	detection of human IgG antibodies to type 2 herpes simplex virus

Auto Immune Panel	
ANA Screen	screening of Human anitibodies to Antinuclear Antibodies to aid in the diagnosis of certain systemic rheumatic diseases
ENA Plus	screening of human antibodies to Extractable Nuclear Antigens to aid in the diagnosis of certain systemic rheumatic diseases
Anti ds-DNA	detection of human IgG antibodies to dsDNA to aid in the diagnosis of systemic lupus erythematosus
Anti SSA	detection of human IgG antibodies to SSA to aid in the diagnosis of Sjogren's syndrome
Anti SSB	detection of human IgG antibodies to SSB to aid in the diagnosis of Sjogren's syndrome
Anti Sm	detection of human IgG antibodies to Sm to aid in diagnosis of systemic lupus erythematosus
Anti Sm/RNP	detection of human IgG antibodies to Sm/RNP to aid in diagnosis of mixed connective tissue
Anti Jo 1	detection of human IgG antibodies to Jo-1 to aid in diagnosis of polymyositis
Anti Scl 70	detection of human IgG antibodies to Scl-70 to aid in diagnosis of scleroderma

Markers for Infectious Diseases	
Measles IgG	detection of human IgG antibodies to measles virus
Measles IgM	determination of IgM class antibodies to measles virus
Mumps IgG	detection of human IgG ntibodies to mumps virus
Mumps IgM	determination of IgM class antibodies to mumps virus in human serum
VZV IgG	detection of human IgG antibodies to varicella-zoster virus

Markers of Epstein-Barr Virus	
EBV-NA IgG	detection of human IgG antibodies to Epstein Barr virus nuclear antigen
EB-VCA IgG	detection of human IgG antibodies to Epstein Barr viral capsid antigen
EB-VCA IgM	detection of human IgM antibodies to Epstein Barr viral capsid antigen
EA-D IgG	detection of human IgG antibodies to Epstein Barr virus early antigen

Other	
Syphilis IgG	detection of IgG antibodies to treponema pallidum in human serum
H. pylori IgG	detection of IgG antibodies to Helicobactor pylori in human serum
H. pylori IgA	detection of IgA antibodies to Helicobactor pylori in human serum

ReQuest® kits are recommended for:

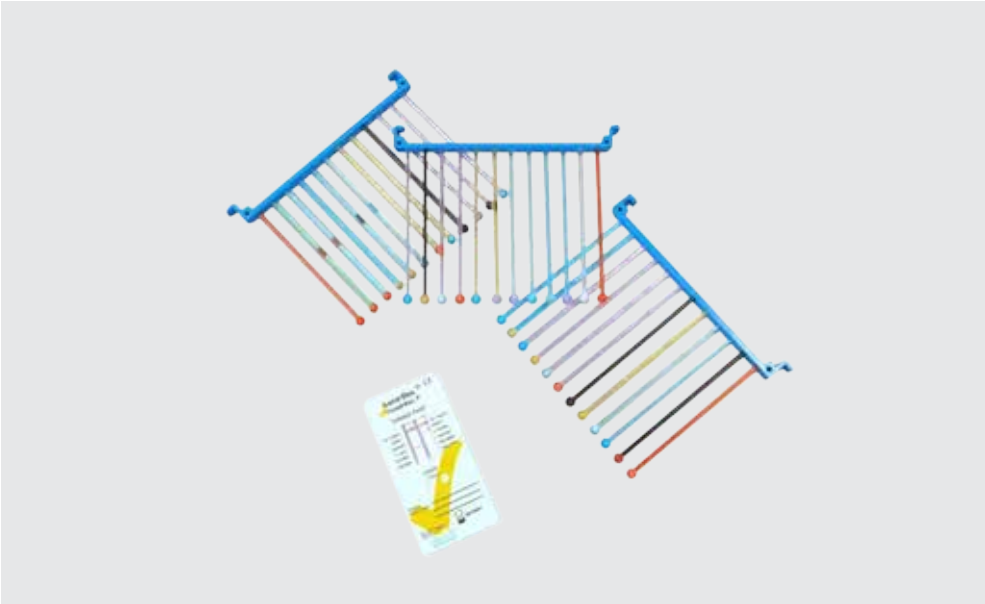
ChemWell® 2910 (EIA)
Automated EIA analyzer

ChemWell® 2910 (Combi)
Automated chemistry and EIA analyzer

ChemWell® Fusion (Combi)
Automated EIA and CLIA analyzer

Dexall®

Solutions for Allergies and H. pylori



- Innovative methodology and proven technology in vitro allergy diagnostic products
- Accurate, specific, reliable, and easy to use
- Can be adapted to individual laboratory customer requirements with customized screen and panel combinations
- Simple procedures with short hands-on time
- Long shelf life

Acti-Tip Allerg-E

- Non-radioactive, avoids storage/ disposal problems
- Ready-to-use color-coded reagents
- 16 months reagents shelf life
- Procedure is easy to learn and simple to perform
- Only 10µL serum needed

Acti-Tip Allerg-Ens and and Allerg. Ens Turbo Kits

- Non-radioactive, avoids storage/ disposal problems
- Ready-to-use color-coded reagents
- Procedure is easy to learn and simple to perform
- Long shelf life
- Choice of preset panels or individual allergens

Acti-Tip Rapid-Ens/MS Allergy Diagnostic System

- Uses serum, plasma, or whole blood
- No instrumentation needed
- Color-coded, pre-dispensed ready-to-use reagents
- Procedure is easy to learn and simple to performs

Acti-Tip Enzy-Dex

- Ready-to-use color-coded reagents
- Procedure is easy to learn and simple to perform
- Uses only one reference standard
- Choice of preset panels or individual antigens
- Use semi-automatic or automated readers for direct concentration results reporting

Range of solutions

Acti-Tip Allerg-E	
Enzyme Immunoassays for the quantitative determination of Immunoglobulin E, Total IgE in Human Serum	
Time	— only 45 minutes total incubation time — under 10 minutes hands-on time
Accuracy	— precise quantitative results in International Units — accurate measuring range: 5-600 IU/mL — excellent correlation (98%) with established techniques

Acti-Tip Allerg-Ens and and Allerg.Ens Turbo Kits	
Enzyme Immunoassay for the quantitative determination of Allergen Specific IgE antibodies in Human Serum	
Time	— Allerg.Ens : 4 hours incubation time — Allerg.Ens Turbo: 90 minutes incubation time — require less hands-on time than competitive methodologies
Accuracy	— excellent correlation with established techniques Highly sensitive and specific — objective quantitation of offending allergens — results are read photometrically for consistent results

Acti-Tip Rapid-Ens/MS Allergy Diagnostic System	
Enzyme Immunoassay for the Visual identification of Allergen Specific IgE antibodies in Human Serum	
Time	— only 90 minutes total incubation time — under 5 minutes hands-on time

Acti-Tip Enzy-Dex	
Enzyme Immunoassay for the Determination of Type III IgG Specific antibodies in Human Serum for Hypersensitivity Pneumonitis - Extrinsic Allergic Alveolitis	
Time	— only 4 hours total assay time — under 15 minutes hands-on time
Accuracy	— excellent correlation with disease states and established techniques — highly sensitive and specific — objective quantitation of offending allergens — results are read photometrically for consistent results

Auro.Dex H. Pylori Multi-Test	
Test for the Rapid Detection of Helicobacter pylori IgG, IgA and IgM antibodies in Human Serum	
Time	— results in less than 5 minutes
Accuracy	— excellent correlation with established EIA technologies 96% sensitivity, 97.3% specificity, 97% overall correlation

Auro.Dex Visual.Ens Rapid-Test Allergy Screening for Adult and Pediatric panels	
Rapid Immunochromatigraphic Assay for the Visual Detection of Allergen Specific IgE antibodies in Human Serum	
Time	— results within 30 minutes — hands-on time less than 1 minute
Accuracy	— excellent correlation with established EIA technologies — 90% sensitivity and specificity

Auro.Dex H. Pylori Multi-Test

- One-step test for the Rapid Detection of Helicobacter Pylori Multi-Test antibodies in human serum
- Requires less hands-on time than competitive methodologies
- No reagent or sample sample preparation required
- No serum dilution steps
- No sample pre-dilution necessary
- Long shelf life

Auro.Dex Visual.Ens Rapid-Test Allergy Screening for Adult and Pediatric panels

- Simultaneous determination of multiple allergen-specific IgE antibodies
- Requires less hands-on time than competitive methodologies
- No sample pre-dilution necessary
- Long shelf life
- 3 standard profiles available

For notes

For notes

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