

ELISA Analyzer

Fully automated open
Walk-away Systems

DRG



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ELISA Analyzer

E-LizaMat 8882/8884

Fully automated 2/4 plate ELISA processor able to operate the dispense, incubation, reading, data processing and storage of results.

Benefits

- Open System
- 2/4 Microtiter Plates
- 80/180 Samples
- Autodilution
- 8/10 Different Assays in one Session

Technical Features

Sample racks	80/180 sample tubes of 13 mm
Dilution rack	92 positions / 195 tubes
Reagents holder	modular racks to hold calibrators, controls and reagents for 8/10 methods on line
Liquid reservoirs	external tanks equipped with level sensors; 2/4 washing buffers
Microtiter plates	2/4 plates (96 wells) with incubation capability, from room temperature to 45°C
Dispensing system	1 aspirating-Dispensing probe with X-Y-Z movement/ X-Y-Z movement with 2 independent needles, each one equipped with its own liquid sensor, dilution system with a syringe of 1000 µl, continuous flow washing station
Washing system	two 8 nozzle on line manifolds with automatic adaptation for the different micro-plates height
Washing Residual volume	< 3 µl
Washing inaccuracy	CV < 5 % with 300 µl
Reading system	8 independent photometric channels for mono and bichromatic reading
Optical filters	2 filters (450 and 630 nm); 2 more on request (max. 4 filters)
Reading inaccuracy	± 1 % from 0.000 to 1.500 OD ± 2 % from 1.500 to 3.000 OD
Dispensation	from 8 ml with 1 µl resolution, inaccuracy ± 1% with 100 µl
Software	Windows 98 and XP operating system, to set up the work list, patient reports and results filing; calibration curves storage for each carried-out test
Power requirements	230 / 115 VAC, 50-60 Hz, 500 W
Measurements	2 plate: cm 79 x 61 x 65 h 4 plate: cm 115 x 65 x 65 h
Weight	76 Kg / 103,5 kg
Optional:	Bar code reader for sample identification



Open Walk-away Systems

E-LizaMat GS (ELM GS)

Automation for your Laboratory



This 2-plate fully automated open platform is compact, efficient and innovative. Features include positive identification sample racks, continuous barcode reading and on-board optics for remote trouble-shooting access. The interface is bi-directional and compatible with any LIS system. User friendly, flexible, and customizable software make automation possible for any EIA application. Up to 192 results can be generated in one run on a combination of up to 8 assays.

Technical Specifications

Unique Features

- Intelligent Racks (IR) automatically detect the position in which barcoded vials are placed
- 192 patient sample positions
- Standard 13 x 75 mm racks; custom racks for any sized vials available
- 14 position reagent rack holds 22 to 35 mm vials
- Retractable carrier for loading and unloading samples & reagents
- Internal camera for real time viewing of probe activity
- Open system to process any EIA assay program
- CE marked

Dimension

- W: 64 cm, D: 57 cm, H: 45 cm
- Weight: 28 kg
- Fits on a 60 cm deep laboratory bench
- Supply Voltage: 100-265 V, 50-60

Specifications

- Two coated MTP positions
- One pre-dilution MTP position
- 2 external wash bottles
- Single probe, dual needle
- Single precision syringe
- Precise aspiration volume of 1 µL
- Incubation up to 40 °C
- Built in Photometer: 405, 450, 550, and 620 nm wavelengths standard
- Multi language software capability
- Wide range of result calculations available: point to point, linear regression, cubic spline 4 PL, 5 PL, Lin-Lin, Lin-Log, Log-Log representation

DRG ELISAS

Tumormarker

CYFRA 21-I
CA 72-4
CA 15-3
CA 125
CA 19-9
CEA
NSE
PSA
Free PSA
TPS, TPA
LI-CAM

Gyn. Endocrinology

Estradiol
Progesterone
17 α -OH Progesterone
DHEA-S
Testosterone
DHEA
Estrone
Androstendione
DHT
SHBG
Free Testosterone
LH, FSH, Prolactin

Prenatal Supervision

Free β -HCG
PAPP-A
AFP
Free Estriol
HCG
HPL
PLGF

Saliva Diagnostics

Androstendione
Cortisol
Estradiol
Estriol
Testosterone
DHEA
Progesterone
17 α -OH Progesterone
Lactate

Diabetes/Obesity

Insulin
C-Peptid
Proinsulin
Leptin

Iron Metabolism

Hepcidin
Pro-Hepcidin



DRG Diagnostics

DRG Instruments GmbH, founded in 1973 by Dr. Geacintov, subsidiary of DRG Intl. Inc., USA, is a manufacturer of ELISAS. The DRG Group operates through a network of DRG subsidiaries in Germany, Poland, Russia and the Czech Republic and through distributors worldwide.

DRG Diagnostics

DRG Instruments GmbH, mit Sitz in Marburg, wurde im Jahre 1973 als Niederlassung von DRG International, Inc. USA gegründet. Heute widmet sich die Firma hauptsächlich der Entwicklung, Produktion und dem weltweiten Vertrieb von neuen und innovativen ELISA Testsystemen. Die DRG ist nach ISO 9001 und ISO 13485 zertifiziert.



ELISAS that perform

DRG develops and manufactures diagnostic ELISA test kits for use in clinical and research laboratories.

The experience of our production and management team guarantees to provide high quality products, competitive prices and excellent customer service.

DRG works to DIN EN ISO 9001:2000, ISO 13485:2003 and ISO 13485:2003 under CMDCAS standard, certified by TÜV Rheinland Product Safety GmbH, an indication of our commitment to customer service, quality control and improved health care.

ELISAS that perform

DRG entwickelt, produziert und vertreibt diagnostische ELISA Testkits für den Gebrauch in Klinik und Forschung.

Die Erfahrung unseres Produktions- und Managementteams garantiert hochqualitative Produkte mit einem guten Preis-Leistungs-Verhältnis und einem exzellenten Kundenservice.

DRG Kits bieten beste Qualität, hervorragende Performance und Reproduzierbarkeit sowie einfache Handhabung: Mikrotiterstrips einzeln brechbar, gebrauchsfertige Reagenzien, kurze Inkubationszeiten und lange Haltbarkeit.



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