ELISA.
LECTORES Y LAVADORES MICROPLACAS

Distribuido por:

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GEMINI : Fully automated microplate processor for low throughput applications

SPECIFICATIONS

CAT#:	RVDIA916280000

Reader

Photometric range	0 to 3.0 OD
Spectral range	400 nm to 700 nm (up to 8 filters)
Read time	< 15 sec single, < 30 sec dual
Precision	1% CV at 1.0 OD
Accuracy	±0.005 OD or 2.5% (whichever is greater)
Linearity	0 to 2.000 OD ±1%

Pipettor

Min / max. volumes	10 µl to 300 µl with 300 µl tip 301 µl to 1000 µl with 1100 µl tip
Precision (single dispense)	<3% CV at 20 µl < 3% CV at 100 µl
Precision (multi dispense)	< 10% CV at 16 x 20 µl < 3% CV at 8 x 100 µl
Features	Pipetting pressure monitoring, capacitive liquid level detection, tip detection, mixing, multiple dilution steps, archiving

Capacity

Sample and reagent	Up to 192 samples capacity Flexible: e.g. 144 samples + 8 reagents + 16 controls

Incubator

Temperature range	Up to 45°C
Temperature uniformity	±1.5°C (with in-process temperature monitoring)
Shaking	20 Hz

Washer

Precision	10% CV at 300 µl
Residual volume	<2.5 µl in U-bottom (mean) <4 µl in flat bottom (mean)
Wash buffer capacity	3 wash buffers
Modes	Sweep mode, soak, top and bottom wash, variable pump speed

Dimensions & weight

Width x Depth x Height	97 cm x 66 cm x 75 cm 38.2" x 26.0" x 29.5"
Weight	151 kg (Gross weight), 115 kg (net weight)

Legend: AF=Amiotic Fluid | CP=Citrate Plasma | CSF=Cerebrospinal Fluid | EP=EDTA Plasma | F=Feces | HP=Heparin Plasma | HS=High Sensitive | IVD=In Vitro Diagnostics | ON=Over night P=Plasma | Pl=Platelets | S=Serum | Sa=Saliva | SF=Synovial Fluid | SP=Seminal Plasma | TH=Tissue Homogenate | U=Urine | UD=Ultra-dialysates

EASY INTEGRATION – NO LIMITS

Additional functionality through middleware software

Easy integration	Wide range of interfaces allows consolidation of results from other instruments
Connects instruments	Operates with single or multiple GEMINI installations
Connects host	Provides smooth real time bi-directional communication between device and LIS

Additional benefits

Short/long term data storage	Can operate with local dbase or SQL server
Retest management	User definable retest and reflex management
Drill down	Extensive drill down capability on sample or plate data
Open and definable	Use functions (e.g. reporting) definable allows maximum flexibility
Closed and secure	Software can be locked to operate as a secure closed system

DIAsource's ELISA GEMINI

THE RIGHT COMBINATION

stratec® biomedical systems

All values are achieved under optimal conditions and can vary depending on environmental conditions, instrument status and processing conditions. Specifications are subject to change with notice according to STRATEC's "Change control system"

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Instruments

ELISA Plate Reader

The **ELISA Plate Reader** is a user friendly Micro Plate Analyser from the latest technology at a competitive price. The ELISA instrument reads a complete plate within a few seconds and it is integrated with a thermal printer.

The **ELISA Plate Reader** can accommodate a flat bottom as well as a round configuration.

The instrument has a RS232 serial port output and can be connected to laptops with USB port.

Cat #: DIA2000

- Measurement range: 0.000 to 3.000 Absorbance Units
- Accuracy: ± 2% or 0.007 (0 to 1.5 A), ± 3% from 1.5 A to 3.0 A
- Drift: <0.005A/hr
- Photometric Linearity: 2.5A
- Optical measurement: 8 channel
- Filters: 405nm,450nm,492nm,630nm, 560nm
- Light Source: Tungsten halogen lamp, 20 Watts
- Printer: built in thermal printer 52 columns.

ELISA Washer

The **ELISA Washer** is a versatile, reliable and fast ELISA Plate Washer at a competitive price.

The instrument has a built-in incubator for 2 microtiter plates with programmable timer that allows the user to incubate immediately after dispensing sample/conjugate or substrates.

An auto rinsing program at regular intervals prevents crystallization and minimize cross contamination during washing.

Automatically a rinsing and cleaning process will start before shutting down the instrument or starting a new test.

Cat #: DIA3000

- Manifold: 8 way Manifold autoclavable
- Volume: 50-500µl, residual volume: <5µl
- Memory: 8KB Non volatile RAM Battery Back up, supporting 35 open channels
- Shaking time: 1 to 59 seconds
- Specially designed Peristaltic Pump.

ELISA Shaker

The **ELISA Shaker,** RT allows shaking and incubation simultaneously as from 18°C up to 32°C.

Cat #: DIA4000

- Incubation time: 1 to 999 minutes
- Shaker frequency: 400 to 700 RPM, amplitude: 2mm
- Operating modes: shaker, incubator, shaking and incubator
- Temperature control - Range: 37°C to 42°C

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NEPTUNE

Allows automation of DIASpot Neptune and DIASpot MultiQUANT Neptune strips: more than 30 differents kits

Characteristics	Figures
CAT#	DIA1000
Weight	9,5 kg
Size	30 x 30 x 55 cm
Number of different strips per run	Up to 24
Number of patients tested per run	Up to 24
sample Volume / strip	10 µL
Preparation time	15 min.
Running time	45 min.
Maximum results per run	288 (DIASpot Neptune)
	600 (DIA Spot MultiQUANT Neptune)

Up to 24 identical or completely different strips can be loaded on the moving arm.

Total flexibility :

Classic Dot strips (DIASpot Neptune) can be mixed with Microarray strips (DIASpot MultiQUANT Neptune) in the same run

Traceability of the test:

Bar code system control the right association strip/cartridge

No priming, no tedious washing or disinfection steps, easy maintenance (save on time)

No dead volume:

No extra volume of reagent to order

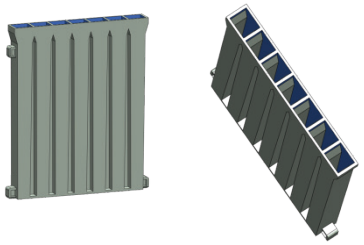
Allows small series or single tests to be run economically

All strips are loaded on the same moving arm:

Same incubation conditions for all the strips (no drift)

Small Instrument: Space saving instrument

Reduced cost and is user-friendly



Also available:

Neptune Quantification Software cat# DIA1001
Neptune Scanner cat# DIA1003

The DIASpot Neptune kits, adapted for automation:

Strips are mounted on a special plastic support

Reagents are provided in ready-to-use individual cartridges, to fit the Neptune automated instrument.