



Instruments Catalogue

ELISA - CLIA - RIA - BLOT

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Our Company

More than 30 years of experience in IVD (kits and instrumentation)

DiaSource ImmunoAssays (a BioVendor Group company), an international diagnostic company (Belgium), develops, manufactures and markets clinical diagnostic products in the field of endocrinology and infectious diseases. Core products are based on RIA and ELISA technology and also include reagents to be run on open ELISA automated analyzers as well as antibodies for use in in-vitro diagnostic assays. DiaSource has specific development and manufacturing programs for Vitamin D, Renin, Calcitonin and many others parameters. We also provide selected instrumentation: we offer ELISA reader, washer and shaker, along with open and closed fully automated ELISA platforms helping our customers to automate their tests. It is our ambition to use our 30 years of expertise in Antibody and Assay development to remain a well-known company of diagnostic immunoassays and instrumentation for the IVD market.

Mission

Our mission is to develop, manufacture and market a complete panel of quality immunoassays and instrumentation as accurate, reliable, diagnostic tools to detect and monitor endocrine disorders and infectious diseases. We are dedicated to provide highly reliable quality assays and instrumentation to deliver uncompromising support to our customers. We strive for meeting our customers needs through a long-term professional relationship and by offering a real added value. Our company is driven by commitment to quality of products and services.

Product range

During the last 30 years, we have developed manual ELISA and RIA immunoassays for the diagnosis and monitoring of a wide variety of endocrine disorders. We constantly rework

and develop specific antibodies for use in our diagnostic assays. In addition we offer these antibodies also to other diagnostic companies. Constantly looking for new technologies and applications, we put our expertise in the development of new antibodies (patent pending) and assays to measure 25OH Total Vitamin D (D2+D3). We strengthen our position in the diagnostic market by validating our ELISA assays on our open and closed automates. This innovation marks a turning point for our company, and makes of DiaSource, already renowned in the RIA market, a complete diagnostic provider. The interest in Vitamin D is rising rapidly. Since more than 10 years DiaSource manufactures immunoassays for 25OH Vitamin D3 and 1,25(OH)₂ Vitamin D. In our assay development program, we are focusing specifically on new Vitamin D assays. We introduced a new Total Vitamin D (D2 + D3) RIA and ELISA assay, an innovative free 25OH Vitamin D ELISA kit, together with a Rat 25OH Vitamin D ELISA kit for clinical research studies. The ELISA versions can also be applied on our instruments.

Commitment to quality

We believe that the quality of products and services finds its origin in scientific expertise, good organization of all operational activities and in well-structured decision processes. These principles are laid out in our ISO 13485:2016 quality manual. Through the integration of product quality in our development and manufacturing processes and a specific customer-oriented approach, we have directed our quality system to comply with the harmonized standard for quality systems within the context of the European Directive for In Vitro Diagnostics. Our internal quality management system is designed to pursue a continuous improvement of our customer service, our product quality and the efficiency of our operations. All our kits and instruments for in-vitro diagnostics (IVD) carry the CE mark and comply with IVD Directive requirements.



David Degels

Business Segment Manager ELISA, Instruments & Antibodies
DiaSource ImmunoAssays S.A.



Beatrice de Borman

CEO
DiaSource ImmunoAssays S.A.

To contact us

Our people, our professional and experienced Customer Service and Technical Support teams are dedicated to ensure complete customer satisfaction. We take pride in providing helpful and accurate information in a 24-hour turnaround time.



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ELISA Instruments

Stratec GEMINI: the right combination

CAT#: GEM10041566

- Fully automated microplate processor for low throughput applications, easy integration, no limits
- Total walk away system
- Flexible time management with LIS connectivity
- Modularity – open system
- Ease of use, installation and maintenance
- Assay performance with disposable tips
- High process safety with triple pipetting control
- Convenient programming of assay protocols
- Proven reliability
- The system is in compliance with the In-vitro diagnostic directive 98/79/EC
- Operating System: Windows 10



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)
Wavelength reading	Single or dual
Assay protocol type	End point and kinetics
Shaking	Yes

Washer	
Channel	2 x 8-channel washer (aspirate and dispense)
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

Pipettor	
Disposable tips	300 µl or 1100 µl
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	Flexibly programmable for single pipetting, multiple pipetting, multiple dilution steps, mixing and archiving. Pipetting pressure monitoring, capacitive liquid level detection.

Incubator	
Temperature range	Up to 45° C
Temperature uniformity	± 1.5° C (with in-process temperature monitoring)
Shaking	Up to 20 Hz
Chambers	Two independently controlled incubator chambers (RT- 45° C) with shaking (5-20 Hz) Three room temperature incubation chambers

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".

Capacity and throughput

Sample and reagent

Initial loading of up to 192 samples, e.g. 144 samples + 8 reagents + 16 controls
Continuous loading of samples and resources
Three disposable tip rack positions
Two deep-well plate positions for pre-dilution and /or archiving

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

Ease and Flexibility

- Flexible scheduling of up to three plates
- Graphical assay protocol editor
- Combination of multiple assays on one plate
- Proven software reliability
- Bi-directional LIS connectivity, ideal with random access instruments
- Based on established EIA software platform with more than 4,500 placements worldwide

Consumables and Spare Parts

Access to consumables and spare parts

Stratec Gemini

- Racks
- Adapters
- Conductive tips
- Dilution plate
- Maintenance kit and tools
- Spare parts

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)

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

Safety and in-Process Control

- Pipetting pressure monitoring
- Capacitive liquid level detection for optimal identification of insufficient volume and fibrin clots
- Colorimetric dispense verification
- Positive identification of barcoded samples and reagent

Assays Protocols available

Diasource can provide fully support in the adaptation of assays on the Stratec Gemini

For more information, please contact:
instrumentation@diasource.be

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".

ELISA Plate Reader

CAT#: DIA2000

Elisa Plate Reader is designed according to the principle of enzyme-linked immunoassay technology, adopts the design of vertical 8-channel optical path, and can be used for single and dual wavelength measurement, providing absorbance test, qualitative test, quantitative test, inhibition ratio test and other modes. The instrument adopts 10.1-inch industrial-grade colour LCD display, touch screen operation. The test results can be displayed, stored and printed. Elisa Plate Reader can be configured with computer-side Elisa Microplate Reader analysis software.

This instrument is widely used in scientific research laboratories, quality inspection bureaus, agricultural and animal husbandry, feed enterprises, food enterprises and other testing fields

Features

- 10.1-inch large touch screen operation
- High precision and accurate results
- Software: Single wavelength and double wavelengths detection methods

Technical Specification	
Measurement Channel	Vertical 8 optical channels
Plate type	96 wells
Wavelength Range	400-750 nm
Filters	405,450,492,630nm
Reading Range	0-4.000 Abs
Linear Range	0-3.000 Abs
Resolution	0.0001 Abs
Repeatability	CV ≤ 1.0%
Stability	± 0.003 Abs
Sensitivity	≥ 0.01 mg/L
Channel difference	≤ 0.02 Abs
Shaker Plate Function	3 different modes, 0~255s
Screen	Colour Touch Screen 10,1 inch
Software	Single and double wavelength detection method
Light Source	Tungsten Halogen lamp 20 W
Analysis Mode	Absorbance, Quantitative, Qualitative,
Well type	Capable of reading U,V and Flat type wells
Plate Carrier Movement	Stepper Motor
Connectivity	RS232/ USB. 9600 baud, 8 data, 1 stop, no parity bits / USB
Power Supply	AC100~240V, 50/60 Hz



Special Features

- User-friendly software
- Customized layout (horizontal and vertical)
- Detailed monitoring of patients
- Connection to LIS system
- QC Follow-up weekly/monthly
- Restrictive access to users, depending on their status
- Language settings

Technical Specification	
Operating Conditions	From + 10°C to 40°C, Up to 80%
Storage Conditions	From -20°C to 55°C, up to 80%
Instrument size	45 x 32 x 30 cm
Package size	58,5 x 42,5 x 40,5 cm
Net/Gross Weight	11/13 Kg

ELISA Plate Washer

CAT#: DIA3000

Elisa Plate Washer is a laboratory equipment specially used for cleaning the microplate, and it is generally used in conjunction with the microplate reader. It is mainly used to clean some residues after the detection of the ELISA plate, thereby reducing the error caused by residues in the subsequent detection process. It has been widely used in the cleaning of enzyme-labelled plates in hospitals, blood stations, sanitation and epidemic prevention stations, reagent factories, and research laboratories.

Features

- Microcomputer control, automatically complete the plate washing operation.
- The liquid level sensing function automatically detects the liquid level, and automatically alarms when the cleaning liquid is insufficient and the waste liquid is overflowing.
- The user-friendly operating system allows users to customize the plate type, set the number of washes, the amount of wash solution, the way to wash the plate, the suction point, the soaking and shaking time and other parameters.
- The wash head is self-balancing, has two-point aspiration, and performs bottom flushing.
- 2 kinds of Automatic washing, Soaking and Shaking, to reduce the interference adsorption during the reaction; time adjustable.



Special Features

- Residual volume <math>< 1\mu\text{l}</math>
- 2 Wash Bottles available
- Aspiration Time programmable
- Manifold Adjustment through software
- Language settings
- Waste: possibility to retain waste in the waste bottle or connect it to a waste pipe
- Liquid Level Sensor in all bottles

Technical Specification	
Cleaning Head	8-12 channels
Microplate Type	Flat, U, V, Round bottom
Average Residue	<math>< 1\mu\text{l}</math> / well
Liquid suction time	0,1 - 999,9 seconds, adjustable with an interval of 0,1 seconds
Line Flush Time	1-999 seconds
Washing Programs	up to 200 programs
Display	7-inch touch display
Wash Bottle	2 Wash Bottle + 1 Rinse Bottle
Adjustment Needle Position	6 types (Horizontal, left, middle, right, bottom, hole spacing)
Programming Mode	Plate Wash, Rinse, Prime
Volume	50-950 μl
Consumption	80 W
Power Supply	AC220V $\pm 10\%$, 110V $\pm 10\%$, 50/60 Hz
Instrument size	47 x 37 x 17 cm
Packing size	72 x 48 x 40 cm
Gross Weight	20 Kg

Technical Specification	
Operating Conditions	From + 10°C to 40°C, Up to 80%
Storage Conditions	From -20°C to 55°C, up to 80%

ELISA Plate Shaker

CAT#: DIA4000

Elisa Plate Shaker is with technique of direct brushless DC motor and PIID intelligent temperature control. It is mainly used for shaking and cultivation in Elisa plates (96/384 wells), tissue culture plates(24/48/96 wells).

Features

- LCD displays system status and parameters.
- Stable and reliable operation with high quality switch.
- Easy to operate with one touch knob.
- Setup the time within 0~100 hours, instrument will make alarm voice when completing.
- With power recovery, instrument will continue to run when power recovers from outage.
- The mechanism of the incubator-heated base and cover

Special Features

- Heats from the top and bottom -> Better temperature uniformity
- Better locking system -> Allows to maintain a good temperature
- Shaking speed 200-1600 rpm
- Extremely quiet and low vibration



Technical Specification

Temperature Control Range	5-80 °C
Timing Range	1-99h59min
Temperature Accuracy	± 0.5 °C
Display Accuracy	0.1 °C
Temperature Uniformity	± 0.5°C
Shaking Speed	200-1600 rpm
Orbit	3mm
Capacity	2 microplate
Power Supply	150 W
Voltage	AC 100V-240V 50/60Hz
Heating Time	≤ 10 min (from RT to 80°C)
Dimension	28 x 27 x 14 cm
Net Weight	7 Kg
Package Size	44 x 36 x 26 cm
Gross Weight	7,5 Kg
Operating Conditions	From + 10°C to 40°C, Up to 80%
Storage Conditions	From -20°C to 55°C, up to 80%

- Fully automated ELISA processor
- Compatible with SmartKits-format



Physical Specifications

Dimensions	W x D x H < 1250 mm x < 900 mm x < 1230 mm
Footprint	< 1200 x 650 mm
Bench/Ship Weigh	213 kg (max.)/296 kg (max.)
Noise	Noise output < 80 dB

Incubator

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

Reader Specifications

Photometric Range	0.000 to 3.500 OD
Spectral Range	405 nm to 690 nm
Precision	± 0.010 OD at 0.000 to 0.500 OD < 1% CV at 0.501 to 2.000 OD < 1.5% CV at 2.001 to 2.500 OD
Accuracy	± 0.01 or 2.5% (0.000 to 3.000 OD) whichever is greater
Read Time	< 30 seconds, single wavelength < 50 seconds, dual wavelength

Power Requirements

Voltage	100 – 240 V automatic switching
Frequency	50/60 Hz
Power Consumption	Typically 400 VA (online UPS required)

Incubator Specifications

Number of Incubators	Up to 12 (6 Ambient / 6 Elevated)
Temperature Rang	RT + 4° C to 45° C (Elevated Incubator) RT + 4° C (Ambient Incubator)
Temperature Accuracy	± 1° C
Shaking	14 Hz periodic or continuous

Washer Specifications

Manifold Configuration	8-way wash head
Programmable Volumes	50-999 µl
Wash Containers	4 wash bottles at 3.0 L, with quantitative level sensing
Clean Container	1 wash bottle at 3.0 L, with quantitative level sensing
Waste Container	10 L with quantitative level sensing
Residual Wash Volume	< 3 µl per well with dual-axis sweep in a at bottom well
Dispense Precision	≤ 5% CV (with 300 µl in a 96 well plate)

*Instruments not for distribution/sales in Russia

System Specifications	
Number of Plates	12 (additional continuous load capability)
Number of Sample Tubes	200 (additional continuous load capability)
Number of Reagents	Up to 16 different SmartKit™ Reagent Packs simultaneously (additional packs can be added using continuous load capability)
Number of Pipettes	2 (sample + reagent)

Reagent Pipetting Specifications	
Reagent Tip Size	1200 µl
Reagent Pipetting Volume	20-1200 µl
Number of Reagent Tips	1 rack of 98 tips (additional racks can be added using continuous load capability) Reagent Pipetting
Precision	≤ 3% CV at 10 shots at any volume in operating range Reagent Pipetting
Accuracy	± 2% of target volume (single shot mode)

Regulatory Compliance	
Certified	ISO13485 Electromagnetic
Perturbation	EMC Directive 2004/108/EC: EN 61326-2-6:2006, IEC 61326-1:2006
Electrical Safety	BS EN 61010-1:2001, IEC 61010-1:2001, IEC 61010-2-101, ETL marked
Lead-free	All components are RoHS compliant
IVDD	CE marked per IVD 98/79/EC Directive

Sample Pipetting Specifications	
Sample Tip Size	300 µl
Sample Pipetting Volume	10-300 µl
Time to Dispense	11 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep well plates
Sample Pipetting Precision	≤ 3% CV (at any operating volume above 10 µl)
Sample Pipetting Accuracy	± 2% of target volume
Dilution Range	1 part in 199 one-stage dilution 1 part in 39,601 two-stage dilution
Number of Sample	20 racks of 112 tips (additional racks can be added using continuous load capability)
Sample Tube Dimensions	10-17 mm diameter external dimension, 45-100 mm depth

Smart kit

- Gold - ready to use
- Silver - need to transfer reagent bottles and print barcodes
- Bronze - need to pour off reagents to special bottles, print barcodes and save caps (does not contain cap holder)

- 2-Plate ELISA
- Processing System
- Compact.
- Easy to Use.
- Innovative.
- A Perfect Combination



Physical Specifications

Dimensions	Width: 54 cm 21 in Depth: 68 cm 27 in Height: 66 cm 26 in Weight (net): 48 kg 105 lb Shipping weight: 78 kg 170 lb
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General Specifications

Number of plates	2
Sample capacity	100 per load
Continuous load	Yes
Sample-tube sizer	10 – 16 mm diameter 40 – 100 mm height
Reagent-fluid	capacity: 8 × 25 mL bottles, 10 × 15 mL bottles
Control-fluid	capacity: 24 × 2 mL vials
Dilution capacity	(96) 12 × 8 deep-well strips
Sample-tip capacity	216 tips
Reagent-tip capacity	20 tips
Assays per plate	Up to 12
Temperature Accuracy	± 1° C
Selftest at startup	Yes

Reader Specifications

Dynamic range	-0.100 – 3.0 OD
Spectral range	405 – 690 nm
Filter slots	6
Reading channels	12 plus reference channel
Read time	< 30 sec (single wavelength)
Precision	< 1% CV (<2.0 OD) < 2% CV (2.0 – 3.0 OD)
Accuracy	+/- 0.005 OD or 2.5% (whichever is greater)

Power Supply

Voltage	100 – 240 V auto-switching
Frequency	50/60 Hz
Power consumption	< 300 VA

Washer Specifications

Manifold Configuration	8-way
Dispense-volume range	50 – 1000 µL
Wash cycles	1 – 9 (repeatable)
Residual volume	< 3 µL
Super aspirate mode	Yes
Wash-buer capacity	2 × 2 L
Low-buer alarm	Yes
Soak time	0 – 999 seconds
Dispense pressure	Pre-set
Rinse function	Input connector for user's external bottle, any size
Waste-water container	1 × 1.5 L

Incubator Specifications

Temperature range	Ambient + 4° C to 40° C
Temperature uniformity	+/- 1° C across plate @ 37° C
Shaking	Independent linear motion 14- 20 Hz (periodic or continuous)
Incubation time	Programmable
Time to set temperature	< 1 min
Temperature monitoring	Yes

Pipetting Specifications	
Type	Disposable tips (2 types)
Sample-tip range	Tip type 300 µL (10 – 250 µL dispense range)
Reagent-tip range	Tip type 1,300 µL (20 – 1,000 µL dispense range)
Maximum dilution	1 to 5,000
Replicates	Up to 96 samples, standards and controls
Precision, sample tip	< 3% CV at any operating volume above 10 ul (single shot mode)
Precision, reagent ti	< 3% CV at any operating volume above 20 ul (single shot mode)

Software	
Controlling software	DS-Matrix™
Work protocols (assays)	Unlimited
Data processing	Quantitative and qualitative
Levey-Jennings	Yes
Westgard rules	Yes
Process reporting	Event log + error log
Automatic error recovery	Yes
Password access contro	Yes

Process Security	
Liquid-level sensing	Yes (reagents, controls and samples)
Level-sensor system	Pressure diferencial
Clot detection	Yes
Dispense-anomaly de tectio	Yes
Tip detection	Yes
Well-fill verification	Yes
Alarms	Yes

- 4-Plate ELISA
- Processing System
- Modular
- Flexible
- Reliable
- A Perfect Combination



Physical Specifications

Dimensions	Width: < 1060 mm 42 in
	Depth: < 910 mm 36 in
	Height: < 800 mm 32 in
	Footprint: < 1060 × 610 mm
	42 × 24 in
	Bench weight: 136 kg
	(max) 300 lbs (max)
	Ship weight: 244 kg
	(max) 537 lbs (max)

Power Supply

Voltage	100 – 240 V automatic conversion
Frequency	50/60 Hz
Power consumption	< 800 VA “online” UPS recommended

Reader Specifications

Photometric range	0.000 to 3.000 OD
Spectral range	405 nm to 690 nm
Precision	± 0.010 OD at 0.000 to 0.500 OD < 1% CV at 0.501 to 2.000 OD < 1.5% at 2.001 to 2.500 OD
Accuracy	± 0.01 OD or 2.5% (0.000 to 3.000 OD) whichever is greater
Read time	< 10 seconds, single wavelength# < 20 seconds, dual wavelength#

Washer Specifications

Manifold configuration	8-way
Programmable volumes	50 – 999 µL
Waste container	8 L with waste full sensor
Wash container	4 wash bottles at 2.0 L with level-sensing
Residual wash volume	< 3 µl per well with dual-axis sweep in a flat-bottom plate
Dispense precision	≤ 5% CV (with 300 µl in a 96 well plate)

Incubator Specifications

Number of incubators	Up to 4
Temperature range	RT + 7° C to 50° C
Temperature accuracy	± 1° C
Shaking	> 15 Hz periodic or continuous

Pipetting Specifications

Number of plates	4
Number of assays	1 assay per strip or up to 12 assays per plate
Number of sample tables	96
Number of reagents	24
Number of standard/control bottles	33 control
Number of pipettes	1

Reagent Pipetting

Reagent tip size	1300 µl
Number of reagent tips	41
Reagent pipetting volume	25 – 1000 µl
Reagent pipetting precision	3% CV at 10 shots at any volume in operating range above 50
Reagent pipetting accuracy	+/- 2% of target volume at 50 uL or greater in operating range (single-shot mode)

Process Security	
Liquid-level sensing	Yes (reagents, controls and samples)
Level-sensor system	Pressure differential
Clot detection	Yes
Dispense-anomaly detection	Yes
Tip detection	Yes
Well-fill verification	Yes
Alarms	Yes

Process Security	
Sample tip size	300 µ
Sample pipetting volume	10 – 250 µl 10 – 250 µl single-shot 25 – 100 µl multi-shot
Estimated cycle time for sample	< 8 seconds pickup to delivery on plate
Time to dispense	19 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep well plates
Sampling time w/dilutions	< 26 minutes (typical)
Example	2 stage dilution, 20 µl sample to 400 µl bu in < 26 minutes Single-shot sample 3% CV at any operating pipetting precision: volume above 10 µl Single-shot sample ± 2% of target volume at pipetting accuracy: any operating volume above 10 µl
Dilution range	1 part in 190 one-stage dilution, 1 part in 36, 100 two-stage dilution
Number of sample tips loaded	4 racks of 108
Sample tube dimensions	Sample Rack Options Short 40-75 mm Tubes Long 75-100 mm Tubes



CLIA Instruments*

KleeYa®

CAT#: KL-001

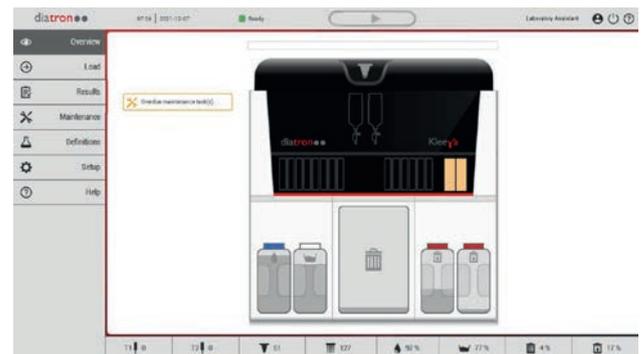
Technical Specifications

Operating mode	Fully automated, continuous random-access processing
Design	Floorstanding
Dimensions	(Width x Depth x Height) 133 cm x 70 cm x 147 cm without touch screen
Weight (kg)	277
Input power	100–240 VAC, 50–60 Hz
Computer operating system	Microsoft Windows 10
User interface	LCD touch monitor (integrated)
Detection principle	Binding of the immunocomplex to magnetic particles with subsequent detection of chemiluminescence (flash)



Function

Sample integrity check	Yes
STAT functionality	Yes
Reagent integrity check	Yes
LIS connection	Bidirectional
Washing station	Integrated
Integrated code readers	Camera/RFID reader
Maintenance	Daily/weekly/monthly



Analysis

Output power (max. throughput/hour)	120
Number of different cartridges on board (capacity of reagent cartridges)	16
Reaction carousel	Temperature 37°C ± 1°C
Sample type	Biological fluids (serum, plasma, saliva, swab eluate...)
Sample tubes	All up to 16 x 100 mm
Capacity for placing samples on board	72

Reagents

The minimum pipetting volume of reagents	≥ 10 µl
Method of pipetting reagents	Pipetting arm
Number of cuvettes stored on board	500
Processing volume of cuvettes	600 µl
Tip box – capacity	192



* Only available for DiaSource in Denmark, Benelux, France, Spain

RIA Instruments

CoNEXT¹²⁵

CAT#: AMPCONEXT125R

- Semi-automatic LAB solution
- The open all-round system for automated pipetting combined with shaker, incubator and wash offers a perfect solution for medium and high throughput RIA labs



Specifications	
Number of Needles	8 (4 × Dispense Reagent and Sample, 4 × Wash Coated Tubes)
Pipetting volume	3 µl to 5000 µl
Precision	100µl = CV 0,5% 10µl = CV 3,0%
Barcode specifications (optional)	Barcodes Standards ANSI X3.182 and DIN EN 1635 Code 128, Code 39, Codabar, Interleaved 2 of 5 Module width 5 - 15 mils (0.127 - 0.381 mm) Quiet zone ≥ 5 mm Print Contrast Ratio PCS > 70% Barcode height ≥ 8 mm Barcode length max. 64 mm (without quiet zone) Number of characters max. 32 Black code on white background
Technical Data	Voltage: 110 240 V Frequency: 50 - 60 Hz Output: 800 VA Small version (1000 × 830 × 780mm) Medium version (1500 × 830 × 780mm) Large version (2000 × 830 × 780mm)
Reagent Rack	14 Pos for different diameter (50 and 100 ml included) 2 x 8 Pos. Universal Rack for all diameter
Waste	1 × Bottle 10 L for Non Radioactive Waste 1 × Bottle 10 L for Radioactive Waste
Sample Rack	Max.Capacity: 160 Samples Rack 16 Pos. Tube: 10 × 75mm, 13 × 75mm, 16 × 100mm
Coated Tube Rack	Max. Capacity: 192 Coated Tubes Rack 96 Coated Tubes Diasource Rack 2 × 48 Coated Tubes
Wash Solution	2 × Wash Solution bottle 10 L

Features

- Fully automated system provides easy and fast performance with 5 or 10 detectors.
- Windows 10 O/S base and touch screen allow easy access for users.
- RF-chip contains protocol information which saves user's time and effort selecting protocol information each time
- Saves up to 100 Assay Protocols and collects all assay result date in sequence of date.
- Detectors are designed as through-hole type so each detector can be handled separately. It allows easier maintenance and decontamination of the detecting part.
- Worklist with sample information is transmitted from the network to the Gamma Counter.
- Compatible Rack System, Automatic Calibration, Automatic Tube detection sensor, Multi Channel Analyzer, cross Talk, Spill Up/Down.



Specifications	
Detector	GAMMA-10 : 10 Detector, through hole type GAMMA-5 : 5 Detector, through hole type
ADC	Analog Conversion Rate : 12 Bit (4096 Channels)
Background	I-125 <100, Co57 <100
Efficiency	I-125 > 75%, CS-137 > 26%
Resolution	I-129 < 28%, I-125 < 30%, Co57 < 17%
Deck Capacity	GAMMA-10 : 540 Tubes, GAMMA-5 : 300 Tubes
High Voltage	650V ~ 800V (outset 720V)
ID System	RF-ID (1024 Bit TF Tag)
Power	220V, 110V
Dimension (mm)	GAMMA-10 : 730(W) × 995(D) × 770(H) GAMMA-5 : 730(W) × 743(D) × 735(H)

BLOT Instruments

Neptune

CAT#: DIA1000

Allows automation of DIAspot Neptune, DIAspot MultiQUANT Neptune and Immuno-Blot strips: more than 30 different kits available. Up to 24 identical or completely different strips can be loaded on the moving arm.

Special Features

- The moving arm moves from back to front and dives sequentially the strips in the wells of individual cartridges
- Each cartridge contains the ready-to-use reagents for a strip (no extra reagents or consumables!)
- Classic DOT (DIAspot) and BLOT strips can be mixed with Microarray strips (DIAspot MultiQUANT Neptune) in the same run - total flexibility
- Bar code system control the right association strip/ cartridge traceability of the test
- No mismatch of reagents and tests
- 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 the strips are loaded on the same moving arm
- Same incubation conditions for all the strips, no drift
- Small Instrument: space saving instrument
- No pumps, no valves, no liquid & tubing inside instrument
- No daily, weekly and monthly maintenance for lab technician
- No maintenance contract means no additional cost



Physical Specifications

Weight	9,5 kg
Size	30 × 30 × 55 cm
Number of kits different per run	Up to 24
Number of psamples per run	Up to 24
Volume of sample	10 µL
Preparation time	15 minutes
Running time	45 minutes
Maximum results per run	288 (DIASpot) - 600 (DIASpot MultiQUANT)

Microblot-Array Reader

CAT#: MBARCX

Multiplex diagnostics in microtiter plate format.

Advantages

- Low sample consumption
- Antigens spotted in triplicate – minimizing statistical variation
- Fully automatic assay processing and results evaluation
- Parallel testing of multiple markers simultaneously
- High sensitivity



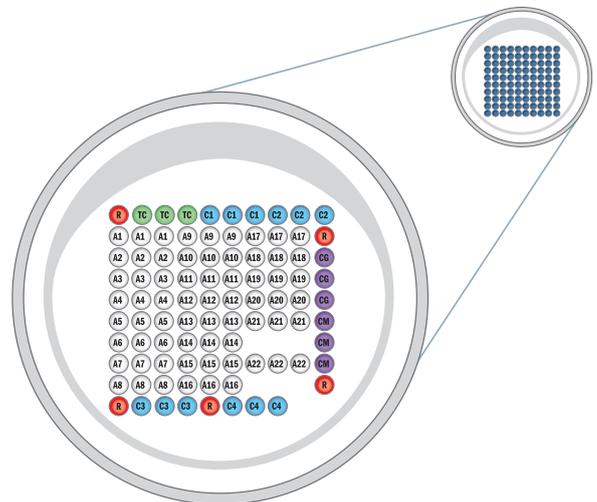
Microblot-Array Reader

- The colorimetric reader provides high-quality scanning and it is optimized for a 96-well microtiter plates format
- Fast 2 minutes per full plate
- Scanning of selected wells/strips
- Automated spot localization and image analysis
- 5 MPx CMOS Color Camera, Resolution 2592 x 1944 px



Microblot-Array Software

- Developed for intuitive and user friendly guiding throughout the process of testing, enabling complex image analysis including results evaluation and connectivity to LIS
- Automated well centering and imaging
- Optional manual control of spot localization
- Detailed results comparison within single wells and spots
- Evaluation of the validity test through control spots
- Clear view of results



Custom Diagnostic Laboratory Services & Sales Conditions

ISO 9001 and ISO 13485 approved

The scientists at DiaSource have extensive experience in the development of antibodies and related enzymatic or radioactive assays. They can guide you through each step in the process of purifying, fragmenting, coating and labeling antibodies. High level

technicians can be consulted at any time to discuss other services like filling and freeze-drying. We can offer specific and flexible suggestions to enhance the performance of your final product. All services are manufactured under strict ISO-9001 guidelines.

Services Available

- Adaptation of the assay on the different instruments and technologies
- Full training (application and technical) in-house and on-site for all our portfolio of instruments
- After-sales service (Mo-Fri from 8AM to 4:30PM)
- Installation and maintenance service

General conditions of sales

Article 1 - Application

Unless expressly agreed otherwise in writing, these general terms and conditions shall apply to all offers made by DiaSource and to all contracts concluded on the basis of such an offer or on the basis of an order confirmed by it. The client explicitly waives the application of its own general and special terms and conditions in the context of its relationship with DiaSource. DiaSource shall not be bound by contracts concluded through its staff or agents that do not comply with these terms and conditions. DiaSource reserves the right to amend these Terms and Conditions at any time and without prior notice to the client, provided that such amendments are made available to the client by such means as DiaSource deems appropriate. Such changes shall apply to all subsequent offers and contracts made by DiaSource.

Article 2 - Conclusion of the contract

An offer by DiaSource is only binding if it is accompanied by an option period, provided that this period has not expired. An order by the client shall be deemed to have been accepted by DiaSource as soon as DiaSource has explicitly confirmed the order in writing.

Each order has its own distinct characteristics, and products ordered by one customer cannot be redirected to another customer. It is the customer's responsibility to check the accuracy of the order and to notify DiaSource immediately of any errors. The customer may not cancel an accepted offer in whole or in part. If the client cancels an accepted offer, the client shall in any event pay the full price of the offer.

DiaSource reserves the right to (i) refuse requests for personalised offers, or requests for modifications to accepted offers; and/or (ii) charge the client for such modifications or personalised offers at the actual cost in force at the time, with a minimum of EUR 40 (excluding VAT).

Without prejudice to the third paragraph of this Article 2, an administration fee of up to EUR 40 (excl. VAT) shall be charged by DiaSource for any order with a value of less than EUR 500 (excl. VAT). DiaSource also reserves the right to suspend, cancel or refuse the order of a customer, in particular in the case where the data communicated by the customer are obviously erroneous or incomplete or where there is a dispute relating to the payment of a previous order.

Article 3 - Prices and accessories

Unless expressly agreed otherwise in writing, the prices set by DiaSource are valid for packaged products, which are delivered "Ex Works" (within the meaning of Incoterms 2010) to the registered office of DiaSource.

In addition to the agreed price, and unless otherwise expressly agreed in writing, the customer shall bear the following costs: (i) all costs of insurance, protection, loading, transport and unpacking of the goods (ii) All rates and taxes (including VAT and customs duties) relating to the products supplied or the items mentioned under (i), including those rates and taxes which only become applicable or are increased after the conclusion of the contract. (iii) Any additional costs for DiaSource as a result of an unfavourable increase in exchange rates.

All costs incurred as a result of payments made shall be borne by the client. DiaSource may unilaterally adjust prices. This revision may lead to both an increase in price and a decrease in price. Such a unilateral price adjustment by DiaSource is only valid if DiaSource duly justifies it on the basis of the relevant parameters (increase in the cost of raw materials, etc.). In any case, this revision can only be applied to a maximum of 80% of the price initially fixed

Article 4 - Payment

Unless otherwise agreed, (i) DiaSource shall send a pro forma invoice to the Client, such pro forma invoice shall be paid prior to the date of despatch as confirmed, receipt of payment into the bank account stated on the invoice shall be prior to despatch of the material and (ii) each invoice shall be paid strictly in accordance with the terms of payment set out on the invoice.

Any complaint relating to an invoice must be sent by registered mail to the head office of DiaSource, eight calendar days after its receipt. Otherwise, the client will not be able to dispute the invoice.

Any late payment will result in all debts owed by the client to DiaSource becoming immediately due and payable upon notification by DiaSource. Interest on the balance of all debts owed by the client to DiaSource that are due and payable shall be payable by operation of law and without notice of default, at the rate mentioned in article 5, paragraph 2 of the Law of 2 August 2002 concerning the fight against late payment in commercial transactions, increased by 3.5%. All this is without prejudice to (i) the possibility for DiaSource to prove its actual damage and claim compensation, or (ii) the possibility to suspend the continued performance of all other obligations under this (or any other) contract, or to apply any other sanction under common law.

Article 5 - Retention of title - transfer of risk

Ownership of each product sold shall only be transferred to the customer after full payment of the price and accessories for this product, as well as any default interest or compensation that may be due as a result of late payment of this price. Prior to such full payment, and unless expressly agreed otherwise in writing, the customer is prohibited from disposing of the product, encumbering it with securities, or processing or incorporating it in any way whatsoever. During this period, the customer shall ensure that the product is kept safe, insured and

stored individually and that it is marked visibly and legibly as the property of DiaSource.

The risk of loss, destruction or damage of the product (also in case of force majeure) shall, however, pass to the client upon delivery of the product.

Article 6 - Delivery time

Each delivery period is only valid as an indication. Exceeding the delivery period shall not give rise to any sanctions, unless the parties have expressly agreed in writing that the delivery period is binding (in this case, exceeding the delivery period shall only result in compensation for actual damage, which has been proven and established by both parties, or in the dissolution of the contract, at the earliest one month after receipt by DiaSource of a formal notice of default from the client demanding delivery).

Article 7 - Unforeseen events

If, beyond the control of DiaSource, circumstances occur in the purchasing, production and distribution process or in any other necessary process which could not have been foreseen at the time of the conclusion of the contract (e.g. strikes, accidents, abnormal weather conditions, material defects, etc.) and which make the (timely) delivery of the product impossible or seriously impede the fulfilment of any other obligation, DiaSource shall be entitled to dissolve the contract or suspend its obligations, depending on the nature of these circumstances. DiaSource will not assume any liability in such a case and declares that it never accepts such a risk.

Article 8 - Force Majeure

DiaSource shall not be held responsible, either contractually or extra-contractually, in the event of temporary or definitive non-performance of its obligations when such non-performance results from a case of force majeure or fortuitous event.

The following events shall be considered as force majeure or fortuitous events 1) the total or partial loss or destruction of the Provider's computer system or its database where either of these events cannot reasonably be directly attributed to the Provider and it is not shown that the Provider failed to take reasonable steps to prevent either of these events, 2) earthquakes, 3) fires, 4) floods, 5) epidemics, 6) acts of war or terrorism, 7) strikes, whether declared or not, 8) lockouts 9) blockades, 10) insurrections and riots, 11) a breakdown in the supply of energy (such as electricity), 12) a failure of the Internet or data storage system, 13) a failure of the telecommunications network, 14) a loss of connectivity to the Internet or telecommunications network on which DiaSource relies, 15) an act or decision of a third party where that decision affects the proper performance of this Agreement or 16) any other cause beyond the reasonable control of DiaSource.

Article 9 - Complaints

9.1 Visible defects

Complaints concerning visible defects are only admissible if the product has not yet been used and if these complaints are sent in writing to customer.service@diasource.be within 3 working days of receipt of the products and documented by supporting documents (photos, article number, batch number, etc.). After this period, the products will be considered as accepted by the customer, which implies their conformity.

9.2 Transport

The customer must check the products immediately after delivery for conformity, correct quantities and visible defects. Complaints will only be taken into consideration if the customer has mentioned these on the signed delivery note. If these damages are not mentioned and described by the client on the transport documents, at the time of acceptance of the delivery, the goods will be considered as delivered without any damage and no claim will be accepted. DiaSource will not accept any claims for damage caused by a carrier expressly commissioned by the client.

9.3. Performance Defects

All complaints regarding performance defects must be sent in writing to products.support@diasource.be.

In the event that the products are stored and shipped in a non-conforming condition, used for a purpose or in a process not approved by DiaSource, no claim will be accepted.

9.4. Common provisions

After the discovery of any defect, the customer is obliged to immediately stop using the product in question and to store the products in the correct manner, on pain of inadmissibility of the complaint.

Defective goods may not be returned by the customer without the express prior consent of DiaSource, and must be properly packaged to preserve their quality during return transport.

DiaSource is only obliged to accept returned goods if they have been the subject of a complaint that DiaSource has declared admissible and well-founded.

Once the customer has made a complaint to DiaSource, if the complaint is found to be justified, DiaSource will, at its option, provide a reasonable discount, credit note or replacement product at its expense.

Under no circumstances shall a complaint suspend the obligation to pay.

The following shall also be inadmissible: complaints concerning facts which are not within the competence of DiaSource, complaints concerning an error on the part of the customer, complaints concerning a subjective or ill-considered character of the said complaint.

Article 10 - Liability / Security / Disclaimer

DiaSource shall only be liable for hidden defects that fall under its warranty if the client notifies DiaSource of the existence of the defect in writing within 3 working days of the client becoming aware of the defect. In this case, the client may not demand that the sale of the product concerned be rescinded, and DiaSource shall only be liable for (i) the loss in value of the product, as well as, insofar as it is responsible for this, and (ii) the additional damage suffered by the client, if the latter provides proof of this. This compensation (i and ii) may not exceed

the price paid by the customer for the product concerned.

The customer undertakes to comply strictly with the Good Distribution Practice (GDP) guidelines applicable to CE marked medical devices. The customer agrees to use the products in a professional manner and in accordance with the instructions provided by DiaSource. The customer agrees to inform DiaSource without delay of any malfunction or change in the characteristics and/or performance of a product purchased from DiaSource. In case of resale of the products by the client to a third party located outside the Belgian territory, the client undertakes to provide this third party with all necessary documents and instructions in the language(s) of the country of export.

Article 11 - Compensation in case of insolvency of the customer

If the client is declared bankrupt, or if any other insolvency proceedings, or proceedings similar to insolvency proceedings, are opened in relation to the client, all sums owed by and between DiaSource and the client shall be set off by operation of law on the date the insolvency proceedings are opened, even if these sums are not due, liquid or fully certain on the date the insolvency proceedings are opened.

Article 12 - Transferability

The client may not assign its rights and obligations towards DiaSource to a third party (by way of sale, capital contribution, gift, or any other transaction, including the assignment or contribution of a branch of activity or a universality, or a merger, demerger or other corporate restructuring) without the prior written consent of DiaSource.

Article 13 - Relationship between the parties

As the parties are independent legal entities, the contract only binds them to each other for the purposes mentioned in the contract. Consequently, the provisions of the contract may not be interpreted as creating any association or partnership between the parties or as conferring any mandate on one party to the other. Furthermore, neither party may bind the other in any way or to any person other than in accordance with the provisions of this contract.

Article 14 - Illegality

The possible illegality or invalidity of any article, paragraph or provision (or part of an article, paragraph or provision) shall not affect in any way the legality of the other articles, paragraphs or provisions of these general terms and conditions, nor the remainder of that article, paragraph or provision, unless the contrary intention is evident from the text.

Article 15 - Headings

The headings used in these general conditions are for reference and convenience only. They do not affect the meaning or scope of the provisions they refer to.

Article 16 - Non-waiver

No failure, neglect or delay by any party to exercise any right or remedy under these terms and conditions shall be construed as a waiver of such right or remedy.

Article 17 - Applicable law and jurisdiction

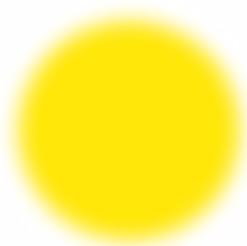
These General Terms and Conditions, as well as all contracts to which they relate, are governed by Belgian law, to the exclusion of Belgian private international law and the Vienna Convention on Contracts for the International Sale of Goods of 11 April 1980 (the Convention on the Limitation Period in the International Sale of Goods of 14 June 1974 remains applicable). The courts of the district of Walloon Brabant shall have exclusive jurisdiction to hear disputes arising from these general terms and conditions or related to contracts concluded by DiaSource (including pre-contractual disputes) to which they refer.

Article 18 - Discrepancies between the different language versions

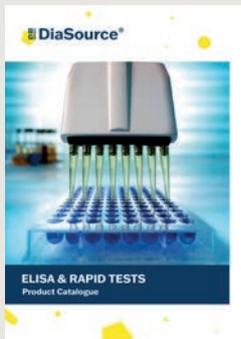
These general terms and conditions have been drafted in English and French. In case of discrepancies between the different language versions, the French version shall prevail.

Article 19 - GDPR & Privacy Policy

DiaSource is compliant with the General Data Protection Regulation. Our privacy and data protection policy is available on our website www.diasource-diagnostics.com. Any questions can be addressed to: GDPR@diasource.be



Our other available product catalogues



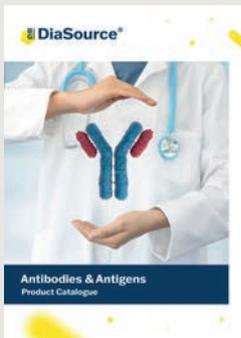
ELISA & RAPID TESTS: Product Catalogue

- Autoimmunity
- Biogenic Amines & Neurosciences
- Bone Metabolism
- Cancer Markers
- Cardiovascular & Salt Balance
- Diabetes & Metabolism
- Fertility
- Gastrointestinal Metabolism
- Growth Factors
- Inflammation Markers
- Infectious Diseases
- Thyroid Function



RIA: Product Catalogue

- Autoimmunity
- Biogenic Amines & Neurosciences
- Bone Metabolism
- Cancer Markers
- Cardiovascular & Salt balance
- Diabetes & Metabolism
- Fertility
- Gastrointestinal Metabolism
- Growth Factors
- Hematology
- Hepatic Function
- Thyroid Function



Antibodies & Antigens: Product Catalogue

- Bone Metabolism
- Cancer Markers
- Cardiovascular & Salt Balance
- Diabetes & Metabolism
- Fertility
- Growth Factors
- Gastrointestinal Metabolism
- Inflammation
- Kidney Function
- Prenatal Screening
- Thyroid Function

Contact us

info@diasource.be

or visit our website

www.diasource-diagnostics.com

For more
information
scan this QR code



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