

DIESTRO 103 AP Version 3 Automatic Electrolyte Analyzer



Easy, fast and accurate

Easy to use and Maintain

User friendly touch screen interface.
Automatic retractable self wiping fill port with self-cleaning.
Integrated Pack of reagents and waste.
Ion selective digital electrodes maintenance free.

Diestro Configurable Concept

Configurable in any combination, up to 5 simultaneous electrolytes.
Upgradable at any moment, just acquiring the upgrade, keeping the same equipment.

Reliable

Automatic calibrations, washings, and self-diagnosis.
QC Software.
LIS Connection.

High Performance

Low operating and maintenance cost.

Own Technology

Auto-Sampler

40 positions for primary tubes and/or cups with sample level detection.



Na⁺

K⁺

Cl⁻

Ca⁺⁺

Li⁺

DIESTRO 103 AP

Version 3
Automatic Electrolyte Analyzer

Diestro 103AP Version 3 is the top model of our electrolyte analyzer family. **JS Medicina Electrónica** was founded in 1991.

We have facilities for research, development and production for Medical Devices and IVD products, and our own technology to develop and produce Analyzers, Software, Electrodes and consumables. Our products are manufactured under **ISO 9001, 13845, GMP and CE marked**. Our staff includes first line professionals in all areas.

Measures up to 5 simultaneous electrolytes in any combination



Due to its automatic retractable and self-wiping fill port, can aspirate whole blood, serum, urine, or other biological substance from syringe, tube or capillary, from 40uL for 2 electrolytes. In only 60 seconds, obtains results including washing, calibration and printing the results, with its built-in high resolution printer. Diestro 103AP Version 3, stores the last 1000 measurements, with all the associated data, which are available at any time by its touch screen, printer or Serial Output (LIS). Quality Control incorporated: 3 levels.

Autosampler (Optional)

It can use up to 40 primary tubes (adults or pediatrics) and/or cup per run. Possibility of making Quality Controls of 3 levels into the running. The sample is detected by level. Automatic data entry of patients, using an optional internal bar code reader.



You do not need to handle individual bottles or waste

The Diestro 103AP Pack contains the reagents and includes the waste container safely. It can be easily replaced in a single operation. The percentage of available reagents is clearly visible in the screen and allows the operator to predict its replacement. Autostanby mode ensures optimal performance of the reagents.

It can be connecting to a PC or data net (LIS), through a serial output (RS232). Data can be introduced from the integrated keyboard, bar code reader (optional), or an external keyboard (optional) and/or internal bar code reader if de autosampler is present.



Technical Sheet

External Power Supply

Dimensions

Weight

Equipment

15 VDC 37,5 W

Height 42 cm Wide 32 cm Depth 30 cm

12,5 kgs

Auto Sampler

15 VDC 60 W (This PS is for both, equipment and autosampler, only one PS)

Height 30 cm Wide 28 cm Depth 26 cm

1,5 Kgs

	Sodium	Potassium	Chloride	Calcium	Lithium
Measurement Range Serum/Blood	40-220 [mmol/L]	1-30 [mmol/L]	20-250 [mmol/L]	0,2-5 [mmol/L]	0,2-5 [mmol/L]
Measurement Range Urine	20-300 [mmol/L]	2-150 [mmol/L]	20-300 [mmol/L]	Not applicable	Not applicable
Resolution	0,1 [mmol/L]	0,01 [mmol/L]	0,1 [mmol/L]	0,01 [mmol/L]	0,01 [mmol/L]
Reproducibility	C.V. <=1%	C.V. <=1%	C.V. <=1%		
within runs of 20 serum	S.D. <=1,6	S.D. <=0,08	S.D. <=1,25	S.D. <=0,05	S.D. <=0,06
Reproducibility within runs of 20 urines	C.V. <=10%	C.V. <=5%	C.V. <=5%	Not applicable	Not applicable

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