

DIESTRO 103 AP
version 4 family

SPECIFICATIONS

Samples per day usage	Suggested model according to the samples per day usage			
	1 to 10	10 to 20	20 to 50	more than 50
Model	103AP V4 S	103AP V4 S+	103AP V4 A	103AP V4 A + Autosampler
Sample Type	Whole blood, Serum, Plasma, Urine and other biological substances			
Manual sample load	From Syringe, Tube or capillary with intelligent positioning			
Automatic sample load with level detection	No	No	No	Up to 40 primary adult/pediatric tubes and/or cups
Sample volume	From 40 uL for Na+ K+	From 40 uL for Na+ K+	From 40 uL for Na+ K+	From 40 uL for Na+ K+
Expandable, up to 4 electrolytes simultaneously	Yes	Yes	Yes	Yes
Electrodes ISE, digital, maintenance free	Yes	Yes	Yes	Yes
Measurement time for Serum	Less than 60 seconds including rinse, 1 point calibration and printed report			
Throughput	60 samples per hour			
Patient identification, alphanumeric, up to 20 characters	Yes	Yes	Yes	Yes
Graphic display with Touch Screen	Yes	Yes	Yes	Yes
Consumables	Kit containing Calibrating, rinsing solutions		PACK containing Calibrating, rinsing solutions and waste container	
Calibration	Semi Automatic under demand		Automatic under demand	
USB Output	No	Yes	Yes	Yes
External barcode reader input	No	Yes	Yes	Yes
External keyboard input	No	Yes	Yes	Yes
Serial output (RS232)	No	Yes	Yes	Yes
Real time clock	No	Yes	Yes	Yes
Memory for samples results	1	1000	1000	1000
Quick Guide on-screen	No	Yes	Yes	Yes
Built in thermal printer	No	Yes	Yes	Yes
Automatic calibration and rinsing	No	No	Yes	Yes
Fill port cleaning	Yes	Yes	Yes	Yes
Built in barcode reader	No	No	Optional	Optional
Electrolytes availables	Na ⁺ K ⁺ Cl ⁻ Ca ⁺⁺	Na ⁺ K ⁺ Cl ⁻ Ca ⁺⁺	Na ⁺ K ⁺ Cl ⁻ Ca ⁺⁺	Na ⁺ K ⁺ Cl ⁻ Ca ⁺⁺
Multilingual	Yes	Yes	Yes	Yes
Internal Battery	Optional	Optional	Optional	Optional
Power supply, external, 110/220 Volts input	15 VDC Output 37.5 W	15 VDC Output 37.5 W	15 VDC Output 37.5 W	15 VDC Output 60 W
Weight	4.3 Kgrs	4.3 Kgrs	5.4 Kgrs	6.5 Kgrs
Dimensions	H 27 cm, W 16 cm , D 21 cm	H 27 cm, W 16 cm , D 21 cm	H 27 cm, W 16 cm , D 44 cm	H 25 cm, W 44 cm, D 44 cm
QC feature, 3 levels including statistics	No	No	Yes	Yes
LIS conection	No	Yes	Yes	Yes

TECHNICAL DATA SHEET

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

The data contained in this brochure are for general information and can be changed without prior notice.

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Electrolyte Analyzers



VET

Compact and Powerful

From Semiautomatic to full Automatic

For users with low, medium or large number of samples

Ion Selective Electrodes

Digital and maintenance free

Expandable up to 4 simultaneous electrodes

At request in any combination

Up to seven different animals

Each one with independent and editable normal values

Graphic display with touch screen

Quality control software

Own technology



CE

Na⁺

K⁺

Cl⁻

Ca⁺⁺

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JS Medicina Electrónica