



EasyElectrolytes

Electrolyte Analyzer

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easy inside and out

With EasyElectrolytes, Medica has redefined electrolyte analyzer design

Simple Yes/No prompted operation, combined with a modular design makes EasyElectrolytes reliable and economical. A convenient Reagent Module contains all liquid calibrants. Components are packaged into three simple modules, easily accessible by the user. Routine maintenance is limited to the replacement of electrodes and

Medica's EasyElectrolytes analyzers measure Na^+ , K^+ , and Cl^- , or Li^+ in whole blood, serum, urine (not applicable for Li^+), and plasma. Measured results are displayed and printed in 35 sec-

Advanced software and hardware combined to track all analyzer results. The system monitors calibration, electrode response, calibrant usage and other

EasyElectrolytes focuses on the laboratory's need to deliver sample results economically. Unique electrode design, combined with precise control of calibrator volumes, ensure economical operation and a



Easy to use

electrolyte analyzer operation has never been simpler

The Universal Sampler accepts samples in syringes, capillary tubes and sample containers without adaptors. The sample probe's self-wiping feature provides convenience, sample integrity and user safety.

Sampling Compact reagent module for convenience, economy and safety

All calibrants are packaged in a convenient, sealed, Reagent Module that also collects waste, protecting the user from biological hazards. The Reagent Module's solid-state memory enables Easy Electrolytes to track date code and reagent

Disposable, maintenance-free electrodes

Advanced membrane technology and unique packaging bring unprecedented convenience to electrode replacement. Medica's integral mem

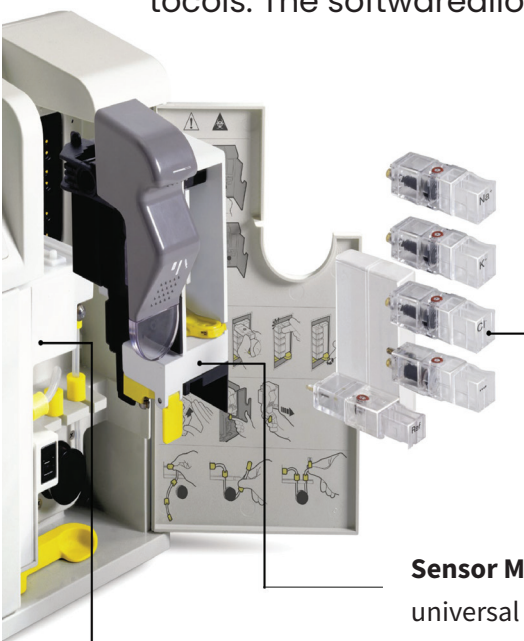
CRITICAL LIMITS?

ANALYZE

USER OPTIONS?

QC LEVEL 1?

convenience and safety Self-Simple Yes/No prompted operation with a touch of the keypad Easy Electrolytes can be programmed to conform with established lab protocols. The software allows selection of a variety of performance options. Patient



Maintenance -free
Electrode design per-
mits fast, fail-safe
installation Simple

Sensor Module contains
universal sampler with self-wiping
probe for convenience and safety Self

Valve Module

selects calibrants and rinse solutions K



Easy to maintain

wasteEasyElectrolytes can be maintained by anyone, anytime, anywhere! Innovative design simplifies maintenance, addressing the needs of the remote laboratory with limited access to technical service personnel. All service calls can be performed by fax or telephone, eliminating the need for on-site service. Diagnostic software displays component status, assuring quick troubleshooting. Modularity makes assembly and disassembly quick and easy.

Removal of the three plug-in modules – Reagent Module, Sensor Module and Valve Module – is accomplished without tools.

Easy data management


Comprehensive quality control and data management


The EasyElectrolytes quality control program calculates and stores complete statistics for monthly quality control results at each of three levels. A printed Levy-Jennings chart visually identifies trends. The data management program compares all patient results with ranges stored in memory and flags out-of-range results. Results are stored in memory for up to 64 patients.





Specifications

CLIA Classification:	Moderate complexity	
Sample Type:	Whole blood, serum, plasma, or diluted urine	
Sample Size:	55 µL Sample Container mode; 50 µL Capillary mode; 300 µL Urine mode	
Method:	Direct measurement by Ion Selective Electrode (ISE)	
Measurement Range:	Blood	Display Resolution
Na+	100 – 200 mmol/L	0.1 mmol/L
K+	1.0 – 10.0 mmol/L	0.01 mmol/L
Cl-	50 – 150 mmol/L	0.1 mmol/L
Li+	0.20 – 3.50 mmol/L	0.01 mmol/L
	Urine	Display Resolution
Na+	10 – 300 mmol/L	1 mmol/L
K+	2 – 200 mmol/L	0.1 mmol/L
Cl-	15 – 400 mmol/L	1 mmol/L
Input Parameters:	Patient ID 9 digits	
Analysis Time:	35 seconds, serum; 60 seconds, urine	
Data Storage:	Patient results— up to 64 samples QC results— up to 31 each	
Normal, Low, and High		
Calibration:	Automatic or On-Demand	
Input/Output:	Yes/No numeric keypad, 2 x 16 character display or graphic display, 27 column thermal printer, barcode reader port, Serial port (RS-232), computer interface port	
Ambient Conditions:	15 – 32°C (59 – 90°F) 5 – 90% relative humidity, non-condensing atmospheric air environment	
Power:	100/120/230V ~ +/- 10%, 50/60 Hz, 0.8/0.8/0.4A	
Size & Weight:	14.5" W x 12.5" H x 7" D (37 cm W x 32 cm H x 18 cm D) 17 lbs. (7.3 kg) with reagent module.	
Approvals:	Combined Canada/US UL mark. In compliance with IEC 1010-1 CE mark (EN 61326; EN 55011; EN 61010-1)	

MOGADISHU OFFICE
 +252 61 5000491
+252 1 656503

HARGEISA OFFICE
 +252 63 4440909
+252 2 512422

GAROWE OFFICE
 +252 90 7742425
+252 90 7662918

DJIBOUTI OFFICE
 +253 77 021504
+253 77 189595