

TECHNICAL SPECIFICATIONS

TOUCH SCREEN
8.4 inch colour touch screen

DISPLAY
800 x 800 pixel graphic display

POWER
100-240 VAC 50/60 Hz 60 W

DIMENSIONS
425mm (D) x 288mm (W) x 334mm (H)

CONNECTIVITY
2 x USB, RS 232, LAN

OPTIONAL EQUIPMENT
AUTO SAMPLER
to be announced

BARCODE SCANNER
Sample/Patient ID, QC Materials Data

PARAMETERS

Na⁺, K⁺, iCa²⁺, Cl⁻

TECHNOLOGY

electrochemistry, thick film biosensor cartridge

PRINCIPLE

direct measurement

SAMPLE TYPE

whole blood, plasma, serum, dil. urine, aqueous sol.

SAMPLE VOLUME

35 and 90 µL measuring modes

OPERATING PARAMETERS

SAMPLE TEMPERATURE
15-35 °C

THROUGHPUT
90 samples/hour

ANALYSIS TIME
35 sec

DATA STORAGE
10000 samples

DATA MANAGEMENT

fully functional QC with Levey-Jennings and Westgard rules; programmable reference ranges; advanced flagging

LANGUAGE/S
English & others on demand

1-POINT CALIBRATION
automatic 1-point calibration with every sample or on-demand

2-POINT CALIBRATION
automatic 2-point calibration every 12 hours or on demand

STANDBY MODE

automatically controlled or user defined

Serum, plasma, aqueous, whole blood	Resolution [mmol/L]	Display Range [mmol/L]	Within-Run	Reproducibility (% CV)	@ range
Na ⁺	0.1	20 - 200	≤ 1	Between-Run	100 - 200
K ⁺	0.01	0.2 - 4.0	≤ 1	≤ 2	1 - 15
Cl ⁻	0.1	25 - 200	≤ 1	≤ 2.5	50 - 170
iCa ²⁺	0.01	0.1 - 6.0	≤ 0.02 SD	≤ 0.03 SD	0.1 - 2.5
Urine (diluted 1:3)					
Na ⁺	0.1	13 - 1000	≤ 5	≤ 5	13 - 400
K ⁺	0.01	1 - 500	≤ 5	≤ 5	2.4 - 180
Cl ⁻	0.1	25 - 500	≤ 5	≤ 5	40 - 400

Cat No	Product No	Product Name	Pack Size
IN800079	10020980	EC 90 electrolyte analyser (w/o cartridge)	Analyser with accessories
REG00058	10020729	EC cartridge S	500 samples/3 months
REG00056	10020690	EC cartridge M	1000 samples/3 months
REG00057	10020692	EC cartridge L	3000 samples/3 months
REG00061	10020782	EC cartridge S plus iCa	500 samples/3 months
REG00062	10020798	EC cartridge M plus iCa	1000 samples/3 months
REG00063	10020983	EC cartridge L plus iCa	3000 samples/3 months
REG00059	10020753	EC Urine Diluent	100mL



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No. 1.3

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PRECISE. INNOVATIVE. AFFORDABLE.

EC 90

NEXT GENERATION
ELECTROLYTE ANALYSER

PRECISE



Employing cutting edge technology, the New EC 90 ISE analyser takes laboratory electrolyte measurements to new heights.

- Automatic 1 and 2-point calibrations
- Fully functional QC module
- Within run precision <1% CV
- One click analysis

AFFORDABLE



The cartridges maintain their sensitivity and first-class performance for 90 days from the day that they are docked into the analyser.

- Low reagent consumption
- No extra cleaning
- Self-contained waste
- Kits for low, medium and high-volume laboratories

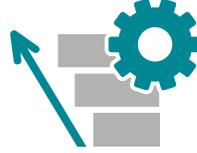
INCREASED QUALITY



Trouble Free Operation - State-of-the-art technology using fully automated production methods. Integrated reference sensor, automatic calibrations and quality reports. High quality components for long life and result stability.

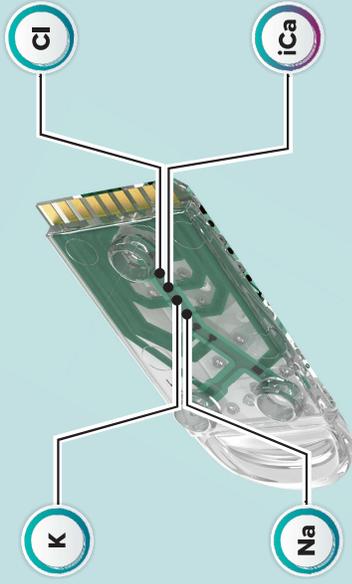


INCREASED PRODUCTIVITY



Simplified daily routine - maintenance free technology, advanced connectivity with one-click analysis. Plug and play "all-in-one" consumable.

INNOVATIVE



THE MAGIC IS IN THE BioSensor

 35 µL SAMPLE VOLUME

 35 sec ANALYSIS TIME

 MAINTENANCE FREE TECHNOLOGY

ALL-IN-ONE CARTRIDGE

 PLUG AND PLAY

 3 MONTHS USE LIFE

