TECHNICAL SPECIFICATIONS

Principle Ion selective Electrode (ISE)

Sample Types Serum, Plasma, Whole Blood, Urine, CSF

Measured Parameters Na+, K+, Cl-, iCa++, pH, Li+

Calculated Parameters TCa, nCa

Sample volume $< 90 \mu L$

< 60 secs **Analysis Time**

Throughput ≤ 60 samples per hour

Calibration Automatic Calibration:

• User-defined two-point calibration interval - 4 hours/ 8 hours/ 12 hours

• One Point Calibration with each sample analysis

Normal Ranges User defined Normal Ranges for all Sample types with flagging for Abnormal Samples

Data Management Calibration History, Sample History and Control History of last 30 days

Tri-Level Quality Control, with L J Plots of last 30 days **Quality Control**

Display 5" color LCD with Touchscreen Display, Resolution: 480 x 272 pixels

Printer Built-in 2" (48 mm) Thermal Printer, 42 characters wide

RS-232, USB (Keyboard, Barcode reader, Mouse, Pendrive) Interface

Operating Temp. 15 to 35°C

Relative Humidity 5 to 85% non-condensing

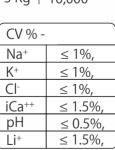
110 to 240 VAC 50/60 Hz +/- 10%, 35W **Power Supply**

Dimensions 365mm x 255mm x 375mm

Net Weight | Sample Storage

5 Kg | 10,000

Precision





* Optional Barcode reader & LIS available.

AGD Biomedicals Pvt. Ltd. Mehta Trade Center, Sir M.V. Road, Andheri East, Mumbai - 400 099 INDIA

P: +91-22-28231061/66

ISO: 13485: 2016 +91-22-28257999 E:sales@agdbio.com

W:www.agdbio.com



ISO: 9001:2015





ACCURATE | RELIABLE | FRIENDLY INTERFACE



EL-120

ELECTROLYTE ANALYZER

- Na⁺, K⁺, Cl⁻, iCa⁺⁺, pH, Li⁺
- Calculated parameters: TCa, nCa
- Low sample volume
- Fast sample processing
- Low cost per test

www.agdbio.com

Erma EL - 120 is ideal for Medium to High Volume Laboratories and Hospitals. It is user Friendly & Reliable. It also allows measurement of specific ions; Accurately and Precisely. This supports Fast Diagnosis.

MAIN MENU

- Large Graphical Display affords convenience of Operation and Minimizes Errors while Entering Data
- User Friendly Software with Interactive Graphical User Interface
- Shortcut Menu Keys for Easy Operation

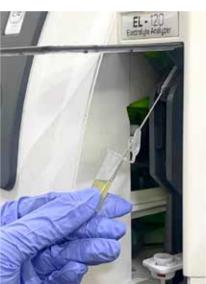
ANALYSIS

- Aspiration System: Internal Peristaltic Stepper Motor Pump for Accurate and Precise aspiration of Analytes
- Automatic flushing after aspiration of every sample to eliminate carryover
- Precise & Accurate Result

ELECTRODES

- Electrodes are based on Ion Selective Principle
- Electrodes can be refilled.
- Long life and Assured Stability







CALIBRATION

- Two Point Calibration after 4 hrs/ 8 hrs or 12 hrs.
 Programmable as per user
- One Point Calibration with each Sample Analysis
- Display Status of Calibration with Date and Time for each parameter
- Also Displays the Date and Time of next Calibration to be Performed / Due

RUN QUALITY CONTROL

- Levy Jennings plot of daily and monthly QC data to assess the performance
- Helpful for laboratories incase of Accreditation and Quality Assessment

ISEPak

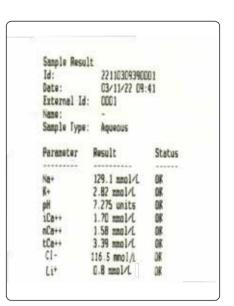
- Convenient to place ISEPak which contains reagents required for all parameters
- Integrated reagent Pack for testing of All Parameters
- In-Built Reagent Inventory Management Software

URINE DILUENT AND DEPROTEINIZER

- **Urine Diluent**: Used for the Dilution of Urine Samples to Quantitatively determine Urine Electrolytes.
- **Deproteinizer**: Used for the Cleaning and Maintenance of Electrolyte Analyzer

Measuring Range

PARAMETER	SERUM /PLASMA BLOOD / AQUEOUS
Na ⁺	20.0- 200.0mmol/L
K ⁺	0.30-20.00mmol/L
CI ⁻	20.0- 200.0mmol/L
iCa ⁺⁺	0.10- 6.00mmol/L
рН	3.00- 11.00(Unit)
Li+	0.20- 5.00mmol/L







ACCURATE | RELIABLE | FRIENDLY INTERFACE www.agdbio.com