

TECHNICAL SPECIFICATIONS

| | |
|--------------------------------|--|
| Principle | Ion selective Electrode (ISE) |
| Sample Types | Serum, Plasma, Whole Blood, Urine, CSF |
| Parameters | Na ⁺ , K ⁺ , Cl ⁻ , Ca ⁺⁺ & Li ⁺ |
| Sample volume | ≤ 90µL |
| Analysis Time | ≤ 60 secs |
| Throughput | ≤ 60 samples per hour |
| Calibration | Automatic Calibration : • Two Point Calibration after 4 hrs or just before Sample analysis • 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 |
| Quality Control | Tri-Level Quality Control, with L J Plots of last 30 days |
| Display | Convenient, easy to place ISEpak which contains reagents required for all Parameters |
| Printer | Built-in 2" (48 mm) thermal Printer, 42 characters wide |
| External Interface | USB (Keyboard, Mouse) |
| Operating Temp. | 15 to 35°C |
| Relative Humidity | 5 to 85% non-condensing |
| Power Supply | 100 to 240VAC 50/60 Hz |
| Dimensions | 395mm x 260mm x 375mm |
| Weight Sample Storage | 7.5 Kg 100,000 |

* Optional Barcode reader available.

ISE - Tritrol

- Ready to use assayed control
- 3 different levels of concentrations - Low, Normal & High
- 1 year closed vial stability

Pack size Available : 13mL

- Aqueous control - Low, Normal & High (Each of 3mL)
- Urine control - Normal & High (Each of 1mL)
- IFS (1 X 2mL)



In-Built reagent inventory management software.

CE
 ERMA INC.
 Yushima 2-31-6,
 Bunkyo-ku,
 Tokyo, Japan
 Tel. : 81-3-3818-6281
 Fax. : 81-3-3818-6934
 Email : international@erma.co.jp
 Web : www.erma.jp

*Specifications are subject to change without notice.



ACCURATE | RELIABLE | FRIENDLY INTERFACE



EL - 120

ELECTROLYTE ANALYZER

- Na⁺, K⁺, Cl⁻, Ca⁺⁺, Li⁺
- Low Sample Volume
- Fast Sample Processing
- Low Cost per Test

PT. MEDISTA UTAMA

Add : Jl. Pondok Cibubur, No.133, Cislak Pasar
 Cimanggis, Depok - 16452

Tel : (021) 877 58923
 Fax : (021) 877 52720
 W/A : 0811 8001 997
 Email : admin@medista-utama.com
 Web : https://medista-utama.com



Sub Distributor :



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.

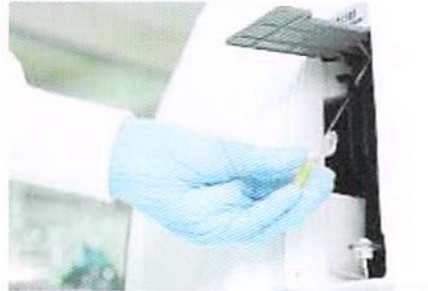
MAIN MENU

- 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
- Displays status of calibration with date and time for each parameter
- Also displays the date and time of next calibration to be performed / due

Measuring Range

| PARAMETER | SERUM / PLASMA BLOOD / AQUEOUS |
|------------------|-----------------------------------|
| Na ⁺ | 40 - 205 |
| K ⁺ | 1.5 - 15 |
| Cl ⁻ | 50 - 200 |
| Ca ⁺⁺ | 0.2 - 5.0 |
| Li ⁺ | 0.1 - 6.0 |

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

| Param | mol/L | Target |
|------------------|-------|------------|
| Na ⁺ | 141.3 | 140 (4.0) |
| K ⁺ | 4.33 | 4.25 (1.3) |
| Cl ⁻ | 104.7 | 105 (4.1) |
| Ca ⁺⁺ | 1.31 | 1.25 (0.2) |

Control Result
Date : 2018-11-30 15:04:08
Lot No : 5
Control : LEVEL 2
Sample Type : Aqueous

ISEPak

- Convenient easy 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

