

# IMS-972 Electrolyte Analyzer

## Parameter configuration:

A K, Na, Cl  
 R K, Na, Cl, TCO<sub>2</sub>  
 C K, Na, Cl, iCa, nCa, TCa, pH  
 D K, Na, Cl, iCa, nCa, TCa, pH, TCO<sub>2</sub>, Ag  
 F K, Na, Cl, Li  
 H K, Na, Cl, iCa, nCa, TCa, pH, Li  
 I K, Na, Cl, iCa, nCa, TCa, pH, Li, TCO<sub>2</sub>, Ag  
 J K, Na, Cl, Mg  
 K K, Na, Cl, iCa, nCa, TCa, pH, Mg  
 L K, Na, Cl, iCa, nCa, TCa, pH, Mg, TCO<sub>2</sub>, Ag  
 M K, Na, Cl, iCa, nCa, TCa, pH, Li, Mg, TCO<sub>2</sub>, Ag

Analysis Method: ion selective electrode (ISE)  
 Measuring speed: ≤25s  
 Sample volume: 60–300ul (item 3 to item 11)  
 Sample position: 35 positions (including 1 QC)  
 Storage: up to 10000 test results  
 Printer: Internal thermal printer  
 Interface: RS232 port

## Working environment:

Temperature: 10–30°C  
 Relative Humidity: ≤80 %  
 Atmospheric pressure: (86–106) kPa  
 Power supply: AC220V ±22V, 50Hz ±1Hz  
 Power: ≤120W

## Specification:

Sample: serum, plasma, whole blood,  
 cerebrospinal fluid and dilute urine

Dimension: 380mm\*270mm\*400mm  
 Net weight: 8Kg

Items	Measuring Range	Resolution	Measuring Precision(CV%)
K <sup>+</sup>	0.5–20.0mmol/L	0.01 mmol/L	≦1.0%
Na <sup>+</sup>	15–200mmol/L	0.1 mmol/L	≦1.0%
Cl <sup>-</sup>	15–200mmol/L	0.1 mmol/L	≦1.0%
Ca <sup>2+</sup>	0.1–6.0mmol/L	0.01 mmol/L	≦1.0%
Li <sup>+</sup>	0.1–5.0mmol/L	0.01 mmol/L	≦2.0%
pH	4–9pH	0.01 pH	≦0.5%
TCO <sub>2</sub>	2.0–70.0mmol/L	0.1 mmol/L	≦3.0%

## Main Features:

- Automatic electric potential tracking and correcting software to ensure the stable performance.
- Automatically detect and filter tiny bubbles to avoid clog and ensure accurate measurement.
- Real-time diagnostic of system working status. Waste liquid automatic detection and alarming.
- Automatic calibration and two-point correction to adjust slope and intercept.
- Wave theory flushing method and direct flushing pipe method to avoid block and crossed contamination.
- Power failure protection to avoid data losing, data storage could be extended to more than 20000.
- Available to power off any time, therefore reduce reagent consumption, suitable for any hospitals.



## IMS-972 Electrolyte Analyzer

- Simple YES/NO prompted operation
- High accurate and long life electrode and TCO<sub>2</sub> sensor
- Sleep mode to reduce reagent consumption
- Rapid test speed of 80 tests per hour
- Minimum sample volume is 60ul
- Individual reagent to avoid waste
- Option: Sample Tray