

HORRION®



IMS-972 Electrolyte Analyzer

- Simple YES/NO prompted operation
- High accurate and long life electrode and TCO₂ 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



IMS-972 Electrolyte Analyzer

Parameter configuration:

A K, Na, Cl
B K, Na, Cl, TCO₂
C K, Na, Cl, iCa, nCa, TCa, pH
D K, Na, Cl, iCa, nCa, TCa, pH, TCO₂, Ag
F K, Na, Cl, Li
H K, Na, Cl, iCa, nCa, TCa, pH, Li
I K, Na, Cl, iCa, nCa, TCa, pH, Li, TCO₂, Ag
J K, Na, Cl, Mg
K K, Na, Cl, iCa, nCa, TCa, pH, Mg
L K, Na, Cl, iCa, nCa, TCa, pH, Mg, TCO₂, Ag
M K, Na, Cl, iCa, nCa, TCa, pH, Li, Mg, TCO₂, Ag

Specification:

Sample: serum, plasma, whole blood,
CSF and dilute urine

Analysis Method: ion selective electrode (ISE)

Measuring time: ≤ 25 s

Sample volume: 60-300ul (3 -11 parameters)

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 \pm 22V.50Hz \pm 1Hz

Power: ≤ 120 W

Dimension: 380mm(L)*270mm(W)*400mm(H)

Net weight: 8Kg

Parameter	Measuring Range	Resolution	Measuring Precision(CV%)
K ⁺	0.5-20.0mmol/L	0.01 mmol/L	≤ 1.0 %
Na ⁺	15-200mmol/L	0.1 mmol/L	≤ 1.0 %
Cl ⁻	15-200mmol/L	0.1 mmol/L	≤ 1.0 %
Ca ²⁺	0.1-6.0mmol/L	0.01 mmol/L	≤ 1.0 %
Li ⁺	0.1-5.0mmol/L	0.01 mmol/L	≤ 2.0 %
pH	4-9pH	0.01 pH	≤ 0.5 %
TCO ₂	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 flushing method and direct flushing pipe method to avoid block and crossed contamination.
- Power failure protection for data storage up to 20000 results
- Minimum consumption, reduce consumable cost.

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REACTION
SCIENTIFIC (PRIVATE) LIMITED

Easy to use--3.5 inch touch screen with simple menu
Powerful--maximum test 9 kinds of ion, 11 parameters
Economical--sleep mode to reduce reagent consumption



IMS-972Plus Electrolyte Analyzer



Accurate
measurement



Stable
performance



Fast
service

Technical Data

Specification:

Model:	IMS-972Plus
Throughput:	80 tests/hour
Analysis Method:	ion selective electrode(ISE)
Sample type:	serum, plasma, whole blood and dilute urine
Sample position:	39 positions (including 5 emergency and 4 functional positions)
Storage:	up to 10000 test results
Printer:	Internal thermal printer

Working environment:

Temperature:	10-30°C
Atmospheric pressure:	86~106 kPa
Power supply:	AC220V±22V, 50Hz±1Hz
Power:	≤120W
Dimension:	380mm (L) *296mm (W) *433mm (H)
Net weight:	8Kg
Interface:	RS232 port

Measure Data

Items	Measuring Range	Resolution	Measuring Precision(CV%)
K ⁺	0.50-20.00mmol/L	0.01mmol/L	≤1.5%
Na ⁺	15.0—200.0mmol/L	0.1mmol/L	≤1.5%
Cl ⁻	15.0—200.0mmol/L	0.1mmol/L	≤1.5%
Ca ⁺⁺	0.10—6.00mmol/L	0.01mmol/L	≤2.0%
pH	4.00-9.00pH	0.01pH	≤2.0%
Li ⁺	0.10-6.00mmol/L	0.01 mmol/L	≤3.0%
Mg ⁺⁺	0.10-4.00mmol/L	0.01 mmol/L	≤3.5%
TCO ₂	2.0-70.0mmol/L	0.1 mmol/L	≤3.5%

Main Features

- ▶ Friendly UI : Dynamic and real-time display of sample ID.
- ▶ Real-time diagnostic of system working status.
- ▶ Automatically detect and filter tiny bubbles to avoid clog and ensure accurate measurement .
- ▶ Wave flushing method and direct flushing pipe method to avoid block and crossed contamination.
- ▶ Automatic calibration and two-point correction to adjust slope and intercept ; Available to print-out QC graph and QC statistical parameters.
- ▶ Power failure protection for data storage up to 10000 results.
- ▶ HL7/AS7M LIS communication; Supporting RTC Clock management. Minimum consumption, reduce consumable cost.

Model No. Configuration

A	K Na Cl
B	K Na Cl TCO ₂ AG
C	K Na Cl iCa nCa TCa pH
D	K Na Cl iCa nCa TCa pH TCO ₂ 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 ₂ AG
K	K Na Cl iCa nCa TCa pH Mg
L	K Na Cl iCa nCa TCa pH Mg TCO ₂ AG
M	K Na Cl iCa nCa TCa pH Mg Li TCO ₂ AG
N	K Na Cl iCa nCa TCa pH Mg Li

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