

**Throughput**

100 samples/hour

**Parameters**

K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, iCa<sup>2+</sup>, tCa<sup>2+</sup>, Li<sup>+</sup>, pH

**Calibration**

One-point and three-point

**Sample types**

Whole blood, serum, urine (diluted), other

**Sample volume**

Minimum 80 µL

**Auto loader (optional)**

32 sample positions, including 3 for QC, 5 for STAT  
Built-in bar-code scanner

**Electrolyte reagents**

All-in-one reagent pack  
Urine dilution  
3-level QC

**Display**

7-inch color touch screen

**Printer**

Built-in thermal printer, support external printer

**Interface**

RS-232, LAN, USB  
LIS connectivity

**Data storage**

50,000 results

**Reagent management**

Closed system, real-time reagent volume display

**Dimension**

Device: 330 mm×235 mm×439 mm (L\*W\*H)  
Auto loader: 245 mm×230 mm×125 mm (L\*W\*H)

**Weight**

Device: 7.5 kg  
Auto loader: 2.0 kg

**Other**

Working temperature:15-30°C  
Humidity: 20%-80%  
Power supply: AC100~240V, 50/60 Hz, 200VA

**Performance**

For serum, plasma and whole blood

Item	Measuring range	Precision
K <sup>+</sup>	0.3-20.0 mmol/L	CV≤1.5% or SD≤0.08 mmol/L
Na <sup>+</sup>	20-200 mmol/L	CV≤1.5% or SD≤1.5 mmol/L
Cl <sup>-</sup>	20-200 mmol/L	CV≤1.5% or SD≤1.5 mmol/L
iCa <sup>2+</sup>	0.1-6.0 mmol/L	CV≤1.5% or SD≤0.06 mmol/L
Li <sup>+</sup>	0.2-5.0 mmol/L	CV≤1.5% or SD≤0.06 mmol/L
pH	3.0-11.0	CV≤1.5%

For diluted urine

Item	Measuring range	Precision
K <sup>+</sup>	1-500 mmol/L	CV≤5.0%
Na <sup>+</sup>	25-1000 mmol/L	CV≤5.0%
Cl <sup>-</sup>	25-500 mmol/L	CV≤5.0%
iCa <sup>2+</sup>	0.5-40.0 mmol/L	CV≤5.0%

**GE 500**  
Electrolyte Analyzer



**Simplest to the Best**

# GE 500 Electrolyte Analyzer

## The R.I.S.E. solution

GE500 is a simplest-to-the-best analyzer which is reliable, intelligent, simple and efficient.

The intuitive software, all-in-one reagent pack and the easy-to-use auto loader offer automated electrolyte testing with minimal hands-on time and excellent performance.

It is perfect for laboratories who desire better electrolyte testing experience.

### Reliable

- Direct ion selective electrode method
- New reagents with long stability
- Multi-point and one-point calibration
- Excellent testing performance
- Robust system with long uptime

### Intelligent

- Whole blood, serum, urine (diluted), other
- Smart calibration and QC program
- Smart reagent management program
- Auto rerun for abnormal results
- Smart system diagnosis

### Simple

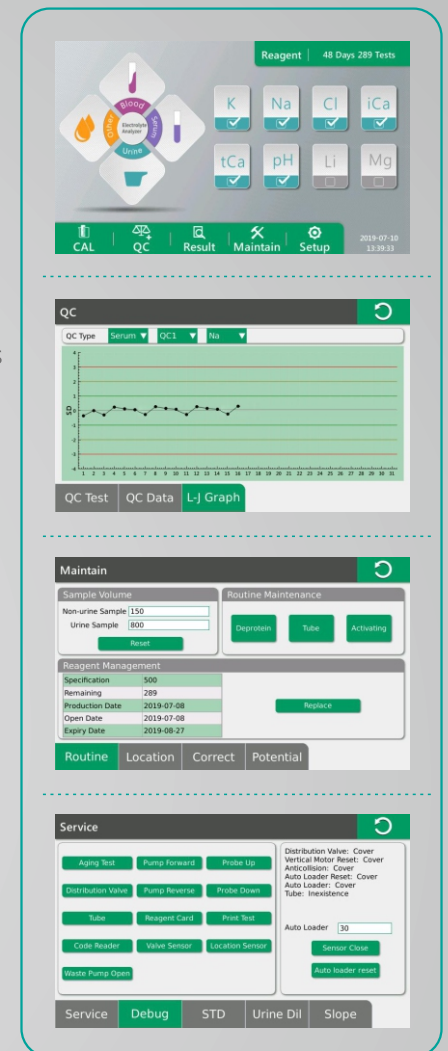
- All-in-one reagent pack
- 7-inch LCD touch screen
- Intuitive software with friendly UI
- One-touch maintenance operation
- Ready-to-use maintenance reagents

### Efficient

- Up to 100 samples per hour
- Minimum sample volume is 80 µl
- Low reagent consumption
- Low maintenance frequency
- Auto loader with 32 positions



### User-friendly UI



## Various Combinations

1	2	3	4	5	6
K <sup>+</sup>	Na <sup>+</sup>				
K <sup>+</sup>	Na <sup>+</sup>	Cl <sup>-</sup>			
K <sup>+</sup>	Na <sup>+</sup>	Ca <sup>2+</sup>			
K <sup>+</sup>	Na <sup>+</sup>	Ca <sup>2+</sup>	Cl <sup>-</sup>		
K <sup>+</sup>	Na <sup>+</sup>	Ca <sup>2+</sup>	pH	Cl <sup>-</sup>	
K <sup>+</sup>	Na <sup>+</sup>	Li <sup>+</sup>	Cl <sup>-</sup>		
K <sup>+</sup>	Na <sup>+</sup>	Li <sup>+</sup>	pH	Cl <sup>-</sup>	
K <sup>+</sup>	Na <sup>+</sup>	Li <sup>+</sup>	Ca <sup>2+</sup>	pH	Cl <sup>-</sup>

## Multi-functional Reagent Pack

- All in one small pack
- Easy to install
- Used for test, auto calibration, cleaning and activation
- Closed system by magcards
- Long shelf life to 24 months

