

Throughput

100 samples/hour

Parameters

K⁺, Na⁺, Cl⁻, iCa²⁺, tCa²⁺, Li⁺, pH

Calibration

One-point and two-point

Sample types

Whole blood, serum, urine (diluted), plasma, 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

Multi-functional reagent pack
Urine dilution (50 ml)
3-level QC (3*10 ml)

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
Auto loader: 245 mm×230 mm×125 mm

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

GE 500
Electrolyte Analyzer



K⁺ Na⁺ Cl⁻ iCa²⁺ tCa²⁺ Li⁺ Mg²⁺ pH

Quickest to the Best

Performance

For serum, plasma and whole blood

Item	Measuring range	Precision (CV)
K ⁺	0.3-20.0 mmol/L	≤1.5%
Na ⁺	20-200 mmol/L	≤1.5%
Cl ⁻	20-200 mmol/L	≤1.5%
iCa ²⁺	0.1-6.0 mmol/L	≤1.5%
Li ⁺	0.2-5.0 mmol/L	≤1.5%
Mg ²⁺	0.1-6.0 mmol/L	≤1.5%
pH	3.0-11.0	≤0.5%

For urine

Item	Measuring range	Precision (CV)
K ⁺	1-500 mmol/L	≤5.0%
Na ⁺	25-1000 mmol/L	≤5.0%
Cl ⁻	25-500 mmol/L	≤5.0%
iCa ²⁺	0.5-40.0 mmol/L	≤5.0%
Mg ²⁺	0.5-40.0 mmol/L	≤5.0%



GE 500 Electrolyte Analyzer

GE500 is a quickest-to-the-best system that is fast and accurate, offering automation and reliable performance with minimal hands-on time. Its proven quality and easier operation give you a pleasant testing experience. It is perfect for small to medium sized labs.

01 Ease to use

- User-friendly software with a large touch screen
- Intuitive navigation optimizes workflow
- Easy reagent management
- One-touch maintenance



Intuitive Software

7-inch color touch screen
Easy navigation

Easy Maintenance

Ready-to-use maintenance reagents
Auto interior and exterior probe cleaning
Intelligent diagnosis menu
One-touch maintenance operation

Multiple Sample Types

Whole blood, serum, urine (diluted), plasma, other
Minimum sample volume is 80 µl

High Efficiency

Support manual and automatic sampling
One touch to get reports

Auto Loader (optional)

32 sample positions in total
Built-in bar-code scanner
Applicable for various tubes

Powerful Features

Liquid level detection
Collision detection
Real-time monitoring of reagent volume
Automatic Rerun for abnormal results

User-friendly UI Design

The UI design is user-friendly and intuitive, featuring a large 7-inch color touch screen. The main menu displays various test parameters (K, Na, Cl, iCa, tCa, pH, Li, Mg) and a 'Reagent' status bar indicating 48 Days 289 Tests. The 'QC' (Quality Control) section shows a graph of QC Type (Serum) vs. QC1 (Na) with a 'QC Test', 'QC Data', and 'L-J Graph' option. The 'Maintain' (Maintenance) section includes 'Sample Volume' (Non-urine Sample: 150, Urine Sample: 800) and 'Routine Maintenance' (Depress, Tube, Actuating) buttons. The 'Reagent Management' section shows 'Specification' (500), 'Remaining' (289), 'Production Date' (2019-07-08), 'Open Date' (2019-07-08), and 'Expiry Date' (2019-08-27). The 'Service' section includes 'Aging Test', 'Pump Forward', 'Probe Up', 'Distribution Valve', 'Pump Reverse', 'Probe Down', 'Tube', 'Reagent Card', 'Print Test', 'Code Reader', 'Valve Sensor', 'Location Sensor', 'Auto Loader' (30), 'Sensor Close', and 'Auto loader reset' buttons. The bottom navigation bar includes 'Service', 'Debug', 'STD', 'Urine Dil', and 'Slope' options.

02 Multi-functional Reagent Pack

- Used for calibration, testing, cleaning and activation
- Long shelf life to 24 months
- Closed system by magcard



03 Electrode Combinations

1	2	3	4	5	6
K ⁺	Na ⁺				
K ⁺	Na ⁺	Cl ⁻			
K ⁺	Na ⁺	Ca ²⁺			
K ⁺	Na ⁺	Ca ²⁺	Cl ⁻		
K ⁺	Na ⁺	Ca ²⁺	pH	Cl ⁻	
K ⁺	Na ⁺	Li ⁺	Cl ⁻		
K ⁺	Na ⁺	Li ⁺	pH	Cl ⁻	
K ⁺	Na ⁺	Li ⁺	Ca ²⁺	pH	Cl ⁻