CE

PocTell

Electrolyte Analyzer



5 Parameters

K^+, Na^+, Cl^-, iCa^{2+} and iMg^{2+}

ACCURATE

±3.0%

SMART

As small as a Pos machine

FAST

Results in 5 min

EASY

Insert and start

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Electrolyte Analyzer

Advanced Features

- Measures 5 parameters
- Microfluidic electrochemical technology: transferring the function of an analytical laboratory onto a chip.
- Convenient Storage: Test cartridges can be stored at room temperature for up to 8 months.

Efficiency and Accuracy

- Instant operation: No pre-heating wait, instant test on arrival.
- Swift calibration and testing: Complete the calibration and testing process in 5 minutes.
- Built-in calibration solution: Provides laboratory-level test results, ensuring accuracy.

User-friendly Experience

- Immediate bedside results: Conduct whole blood testing effortlessly for instant results.
- Minimum sample volume requirement (150 µL).
- Serum and plasma are acceptable as samples types.
- Maintenance-free design: No fluidic pathways for hassle-free operation and minimal maintenance.

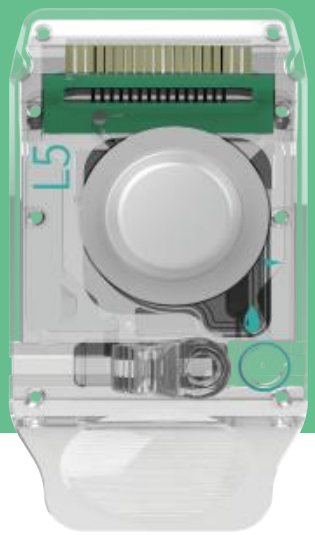
Portability and Data Storage

- Compact and portable design for on-the-go use.
- 60+ consecutive tests on a single charge
- Built-in lithium battery can standby for more than 24 hrs.
- Built-in QR scanner and thermal printer.
- Capable of storing over 100,000 records
- LIS/HIS connection available



Electrolyte Test Cartridge

- **"5-in-1" cartridge:** Simultaneously tests 5 parameters: K^+, Na^+, Cl^-, iCa^{2+} and iMg^{2+}
- **NO sample contamination:** Dry chemistry method and single-use cartridge eliminate the risk of contamination.



Applications

Emergency
Critically ill patients due topoisoning, coma andconvulsions

ICU
For critically ill patients.

Anesthesiology
Surgical anesthesia (preoperative, intraoperative and postoperative)

Surgery
Real-time surgical monitoring.

Dermatology
Patients with severe trauma burn and scald

Gastroenterology
Patients with diarrhea and vomiting accompanied by coma

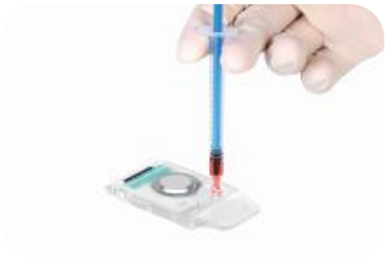
Nephrology
Patients in dialysis ward

Primary Medical
Electrolytes test

Operation instruction



1 Scan the QR code on the cartridge pouch.



2 Fill the inlet with sample and seal by covering the cap



3 Insert the cartridge until it clicks. Wait for the results.

Specification

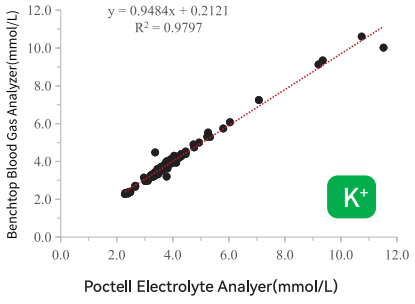
Parameter	Accuracy	Precision	Stability	Test Range(mmol)
K^+	± 3.0%	≤1.5%	≤2.0%	1.0-15.0
Na^+	± 3.0%	≤1.5%	≤2.0%	100-200
Cl^-	± 3.0%	≤1.5%	≤2.0%	65-160
iCa^{2+}	± 5.0% ± 0.05% mmol/L	≤1.5%	≤3.0%	0.25-4.00
iMg^{2+}	± 5.0% ± 0.05% mmol/L	≤3.0%	≤3.0%	0.2-1.5

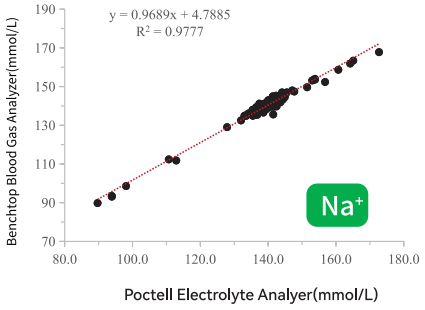
*Benchmarking its performance against a gold standard wet bench

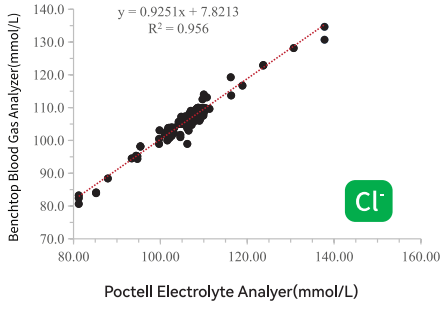
Accuracy

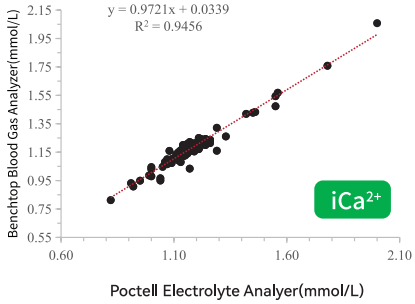
The accuracy of Poctell Electrolyte Analyzer has been validated by linea regression analysis shows a strong positive, linear relationship between the results of the two analyzers ($R^2 > 0.94$ for all parameters), demonstrating the accuracy of our analyzer for K^+, Na^+, Cl^-, iCa^{2+} and iMg^{2+} concentrations.

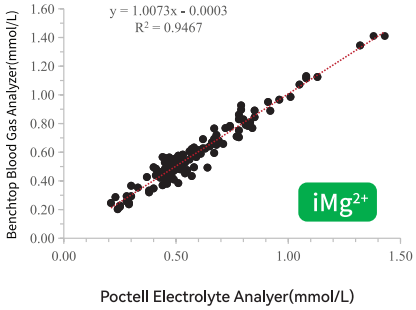
Correlation with Benchtop Blood Gas Analyzer











Ordering Information

Cat.No	Parameters				
	K^+	Na^+	Cl^-	iCa^{2+}	iMg^{2+}
L5	●	●	●	●	●