



ELECTROLYTE ANALYZER



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DarsunScientific

Darsun Scientific Electrolyte Analyzer

DS-A/B/C/D
DS-E/F/L



Product Overview

DS series electrolyte analyzer adopts advanced ion selective electrode measurement technology, which can directly measure the concentration of K⁺, Na⁺, Cl⁻, Ca²⁺ and pH in serum, plasma, whole blood, cerebrospinal fluid and diluted urine. It is a fast, accurate, convenient and practical clinical testing instrument.

1. The software supports automatic potential tracking correction to ensure stable performance
2. Automatic monitoring and filtering of tiny air bubbles to ensure measurement accuracy
3. Wave flushing and pipeline flushing can avoid blockage and cross-contamination
4. Power-off protection, can protect data storage, the result can be stored up to 50,000
5. Low consumption, effectively reducing the cost of consumables
6. 7-inch high-definition touch screen, comprehensive content display
7. With the function of automatic fault alarm and elimination, improve work efficiency

Model	DS-A/B/C/D	DS-E/F/L
Sample	Serum, plasma, whole blood, cerebrospinal fluid, and dilute urine	
Measuring Speed	≤25s	
Analysis Method	Ion selective electrode (ISE)	
Sample Volume	60~150μl	200μl
Sample Position	30 sample positions, 5 emergency positions (Only for BKE-B/D/F/L)	
Injection Mode	Manual or automatic injection can be selected (Only for BKE-B/D/F/L). BKE-A/C/E is manually injected	
Storage	Up to 50,000 test results	
Printer	Built-in thermal printer	
Interface	RS232 port for LIS	
Display	7-inch high-definition touch screen	
Language	Chinese and English, other languages can be customized	
Calibration	Automatic and Manual calibration	
Other Function	Sample volume detection	
Power Supply	AC100~240V, 50/60Hz, 70VA	
Temperature	+10~+40°C	
Relative Humidity	≤80%	
Atmospheric Pressure	86~106kPa	

Model	Test Items	Sample Tray	External Size (WDH) mm	Net Weight (kg)	Package Size (WDH) mm	Gross Weight (kg)
DS-A	K+, Na+, Cl-	No	405×214×471	12.48	Instrument: 500*390*520Re agent: 220×160×120, 220×160×120	Instrument: 16.08 Reagent: 1.7, 0.9
DS-B	K+, Na+, Cl-	Yes	628×287×471	15.11	Instrument: 500*390*720 Reagent: 220×160×120, 220×160×120	Instrument: 19.31 Reagent: 1.7, 0.9
DS-C	K+, Na+, Cl-, iCa2+, nCa2+, TCa2+, pH	No	405×214×471	12.48	Instrument: 500*390*530Re agent: 220×160×120, 220×160×120	Instrument: 16.08Reagent: 1.7, 0.9
DS-D	K+, Na+, Cl-, iCa2+, nCa2+, TCa2+, pH	Yes	682×287×471	15.11	Instrument:500*390*720 Reagent: 220×160×120, 220×160×120	Instrument: 19.31 Reagent: 1.7, 0.9
DS-E	K+, Na+, Cl-, iCa2+, nCa2+, TCa2+, pH, 1002, AG	No	405×214×471	13.13	Instrument:500*390*530 Reagent: 280×135×210, 220×160×120	Instrument:16.73 Reagent: 2.2, 1.2
DS-F	K+, Na+, Cl-, iCa2+, nCa2+, TCa2+, pH, TCO2, AG	Yes	682×287×471	15.76	Instrument:500*390*720 Reagent: 280×135×210, 220×160×120	Instrument: 19.96 Reagent: 2.2, 1.2
DS-L	K+, Na+, Cl-, iCa2+, nCa2+, TCa2+, pH, TCO2, AG, Li+, Mg2+	Yes	682×287×471	15.76	Instrument: 500×390×720Re agent: 280×135×210, 220×160×120	Instrument: 19.96Reagent: 2.2, 1.2

Items	Measuring Range	Resolution
K+	0.5 ~ 20.0 mmol/L	0.01 mmol/L
Na+	15 ~ 200 mmol/L	0.01 mmol/L
Cl+	15 ~ 200 mmol/L	0.01 mmol/L
Ca2+	0.1 ~ 6.0 mmol/L	0.01 mmol/L
Ph	4 ~ 9 pH	0.01 pH
TCO2	2.0 ~ 70.0 mmol/L	0.1 mmol/L
Li+	0.1 ~ 6.0 mmol/L	0.01 mmol/L
Mg2+	0.1 ~ 4.0 mmol/L	0.01 mmol/L