

ISE Module® Specifications

Sample Type	Serum, Plasma, and Diluted Urine
Sample Size	70-150 µL: Serum, Plasma 140-150 µL: Urine (diluted 1:10)
Analysis Time	28-33 seconds including 1-pt calibration (Serum, Plasma) 34.5-43.5 seconds including 1-pt calibration (Urine)
Throughput	100 samples/hour (Serum, Plasma) 90 samples/hour (Urine)
Method	Direct Potentiometry
Operating Temperature	15-32°C (59-90°F)
Power	24VDC, 1.0A
ISE Module	Size: 161 mm (H) x 66 mm (W) x 99 mm (D)
Reagent Pack	Size: 137.9 mm (H) x 190.5 mm (W) x 63 mm (D) Includes: Calibrant A, Calibrant B, Waste Storage (optional), Other Reagents: Cleaning Solution, Urine Diluent

Test Ranges	Analyte	Units	Range
	Serum, Plasma		
	Na ⁺	mmol/L	100.0 – 200.0
	K ⁺	mmol/L	1.00 – 10.00
	Cl ⁻	mmol/L	50.0 – 150.0
	Li ⁺	mmol/L	0.20 – 3.50
	Diluted Urine		
	Na ⁺	mmol/L	10 – 500
	K ⁺	mmol/L	5 – 200
	Cl ⁻	mmol/L	15 – 400

ISE Module

MEDICA

Integrated Electrolyte System

Established OEM electrolyte technology for integration into clinical chemistry analyzers



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ISE Module

Integrated Electrolyte Testing, Built for Your Analyzer

Medica Corporation's OEM ISE Module is an integrated electrolyte solution designed for clinical chemistry analyzer platforms. With use across more than 30 platforms worldwide, Medica's ISE technology supports reliable electrolyte testing for a range of laboratory sizes and settings.



Reliable ISE Performance

- Integrated direct electrolyte measurement for clinical chemistry analyzers
- Complete ISE solution designed to simplify analyzer integration and reduce development effort
- Designed to support increased analyzer throughput



Established OEM Quality

- Built on decades of electrolyte expertise
- Trusted by leading analyzer manufacturers
- Backed by Medica's extensive OEM integration experience
- Direct ISE measures electrolytes in undiluted samples, supporting accurate results when protein or lipid levels are abnormal



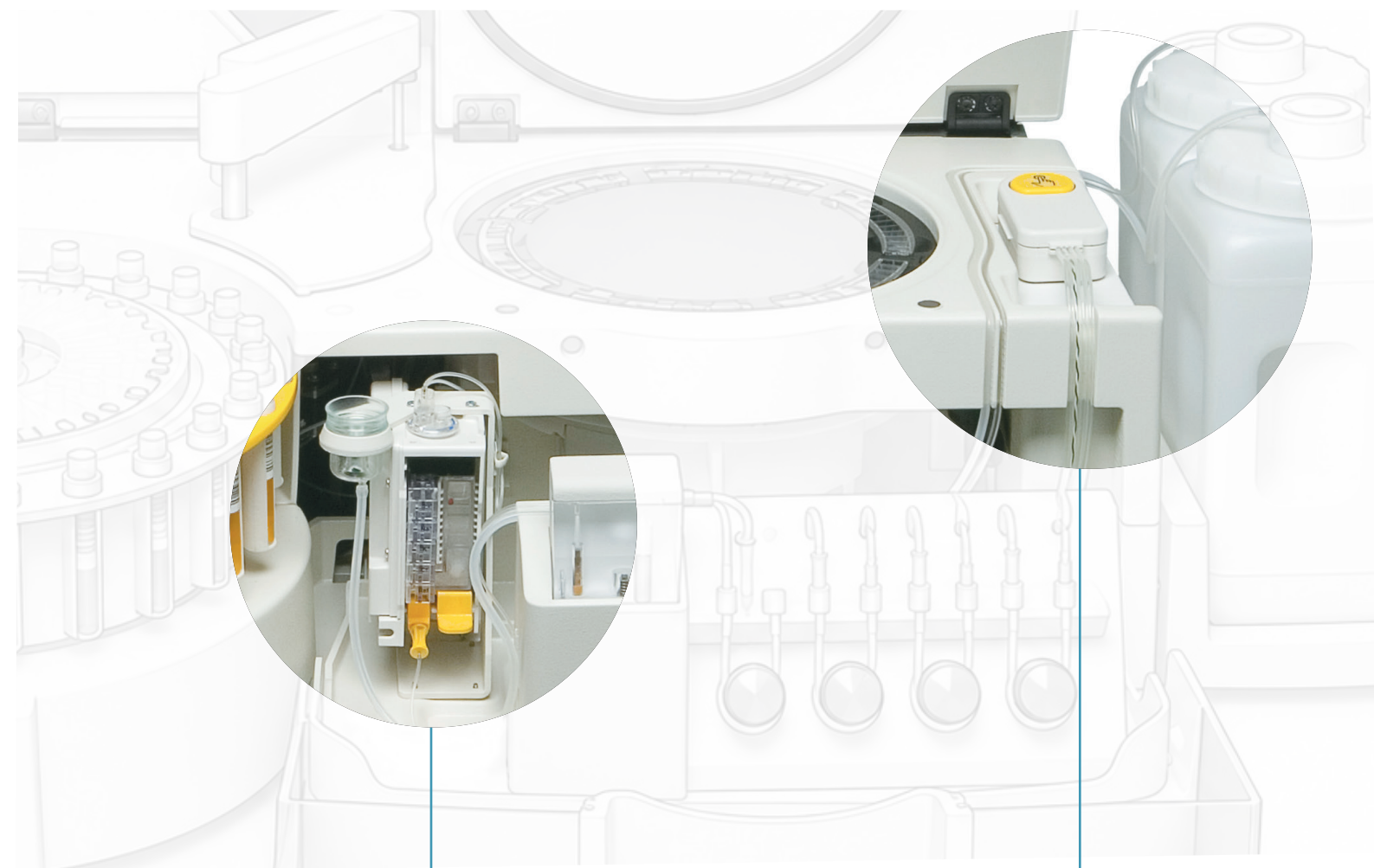
Self-Contained & Easy to Integrate

- Compact, self-contained module
- Integrated sample cup and simplified fluid path
- Adaptable placement within the host analyzer
- Waste collected in the ISE pack or routed to the analyzer waste system



Adaptable Electrode Technology

- Individual electrodes allow targeted replacement, reducing maintenance time, cost, waste, and downtime.
- Flexible configuration with optional lithium electrode



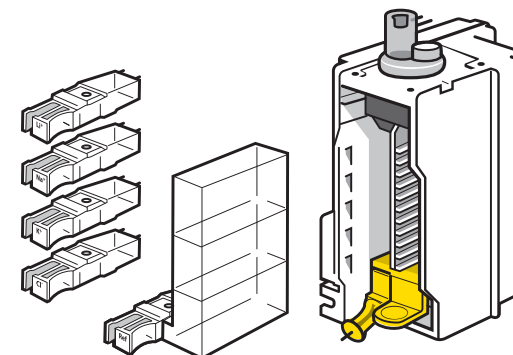
Service-Friendly Design

Snap-in electrodes are vertically aligned for easy access and straightforward replacement.



Convenient Reagent Pack

Disposable reagent packs simplify replacement, with no bottles or tubing to change.



Fast, dependable electrolyte testing

Built to integrate ■ Designed to perform ■ Trusted worldwide

MEDICA