

ISE Module

Na⁺/K⁺/Cl⁻/Li⁺



Medica Corporation's OEM ISE Module is considered to be the gold standard for integrated electrolyte systems. With over 5,000 modules in use on more than 30 clinical chemistry analyzer platforms worldwide, from over 15 manufacturers, Medica's experience and expertise are unmatched.

For additional information, contact: sales@medicacorp.com

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Technical Specifications

The technical specifications below describe typical performance of the ISE Module.

Sample Types:	Serum, Plasma, or Diluted Urine
Sample Size:	70 – 150 µL serum 140 – 150 µL urine
Analysis Time:	28 – 33 seconds serum (including 1-point calibration) 34.5 – 43.5 seconds urine (including 1-point calibration)
Throughput:	100 samples/hour serum 90 samples/hour urine
Power:	24VDC, 1.0A
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
Environmental Temperature Range:	15 – 32°C
Measurement Technology:	Direct Potentiometry

Test Ranges

Analyte	Units	Range	Resolution
(Serum, Plasma)			
Na ⁺	mmol/L	100.0 – 200.0	0.1
K ⁺	mmol/L	1.00 – 10.00	0.01
Cl ⁻	mmol/L	50.0 – 150.0	0.1
Li ⁺	mmol/L	0.20 – 3.50	0.01
(Diluted Urine)			
Na ⁺	mmol/L	10 – 500	1
K ⁺	mmol/L	5 – 200	1
Cl ⁻	mmol/L	15 – 400	1

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