Prestige Diagnostics

ISE Analyser

Ion-Selective Electrode (Electrolyte Analyser)

The ISE Electrolyte Analyser uses electric potential difference to calculate concentrations of a given ion. When a sample is tested ions diffuse to ISE membrane, a potential difference between the measuring electrode and the reference electrode is recorded. Ion concentration is calculated using the "Nernst Formula".

The ISE analyser can detect Ion concentrations in whole blood, serum, plasma, and urine samples in just 1 minute.

The system consists of automatic 2 point calibration and potential tracking for improved stability. An advanced washing programmed for reduced cross contamination and prevention of system clogging. The ISE analyser uses minimal sample volume and is designed to reduce cost.

Benefits and Features

Simple programming and low maintenance cost
High accuracy (gold standard for electrolyte measurement)
Analysts – Potassium, Sodium, Chloride, Calcium, and pH
Compact machine - Dimensions (mm) L x W x H 380 x 270 x 400 - Net weight 8kg

Technical parameters:

Items	Measuring Range	Resolution	Measuring Precision (CV%)
K	0.5-20.0 mmol/L	0.01 mmol/L	≤1.5%
Na	15.0-200.0 mmol/L	0.1 mmol/L	≤1.5%
Cl	15.0-200.0 mmol/L	0.1 mmol/L	≤1.5%
Ca	0.10-6.00 mmol/L	0.01 mmol/L	≤2.0%
PH	4.00-9.00	0.1	≤2.0%

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For more information visit our website: www.prestigediagnostics.co.uk

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