

socimed

VENTE DE CONSOMMABLES ET D'APPAREILS MÉDICAUX
Tel. +331 49 98 86 72 - socimed@socimed.com



analyzer

ISE

3000

4000

4500

5000

6000

5 different models

Na^+ , K^+ , Cl^- , Ca^{2+} , TCO_2 , pH

Low cost per test

Electrode long shelf life,
maintenance free

Specific pack
of reagents

Quality Control
program

Auto sampler

Data storage
up to 1 000 samples

Large LCD Touch screen



socimed

VENTE DE CONSOMMABLES ET D'APPAREILS MÉDICAUX
Tel. +331 49 98 86 72 - socimed@socimed.com





ISE PACK - 700 & 300 ml
ISE QC - 100ml
Cal ISE TCO₂: 100 ml

Calibration mode: 2-point calibration



Cal A

- K⁺ : 4.0 mmol/L
- Na⁺ : 140.0 mmol/L
- Cl⁻ : 100.0 mmol/L
- Ca²⁺ : 1.0 mmol/L
- pH : 7.4

Cal B

- 8.0 mmol/L
- 110.0 mmol/L
- 70.0 mmol/L
- 2.0 mmol/L
- 7.8

Note: for the calibration of TCO₂, a separate solution of 30.0 mmol/L is used.

Specifications:

5 ISE MODELS

- IS 3000 Na⁺, K⁺, Cl⁻
- IS 4000 Na⁺, K⁺, Cl⁻, TCO₂
- IS 4500 Na⁺, K⁺, Cl⁻, Li⁺
- IS 5000 Na⁺, K⁺, Cl⁻, Ca²⁺, PH
- IS 6000 Na⁺, K⁺, Cl⁻, Ca²⁺, TCO₂, PH

Type of samples used

- whole blood, serum and/or plasma (100 µl - 150 µl)
- pre-diluted urine (200 µl)

Auto - Sampler

- Positions: 20 samples + 2 emergency + 3 calibrators and controls + 1 washing
- Cups or sample tubes
- Optional for the 5 models



Detection ranges

Whole blood, serum and plasma

- K⁺ : 0.5 - 15.0 mmol/L
- Na⁺ : 20 - 200 mmol/L
- Cl⁻ : -25 - 200 mmol/L
- Li⁺ : 0.2 - 3.0 mmol/L
- Ca²⁺ : 0.1 - 5.0 mmol/L
- pH : 4.0 - 9.0 pH
- TCO₂ : 6.0 - 50.0 mmol/L

Pre-diluted urine:

- K⁺ : 5 mmol/L - 250 mmol/L
- Na⁺ : 10 mmol/L - 350 mmol/L
- Cl⁻ : 10 mmol/L - 350 mmol/L

Throughput

At least 50 samples per hour

Reagents pack

600 to 800 tests

Shelf life: 18 months

Pack: Cal A, Cal B, waste bags

Electrodes:

Warranty 12 months except Ca 6 months



Working environment

- Large LCD touch screen
- Built in thermal printer: 32 characters - Serial port: RS 232
- External temperature : 10° - 30° C
- Humidity : < 70 %
- Voltage : 220 V +- 22 V or 110 V +- 11V ; 50 Hz +-1 Hz
- Consumption : < 60 W
- Size and weight: 50 x 27 x 36 cm ; 10 Kg

analyzer
ISE



3000
4000
4500
5000
6000

Accuracy

For whole blood, serum and plasma:

- K⁺ : +- 0.2 mmol/L
- Na⁺ : +- 2.0 mmol/L
- Cl⁻ : +- 2.5 mmol/L
- Li⁺ : +- 0.1 mmol/L
- Ca²⁺ : +- 0.1 mmol/L (for plasma only)
- pH : +- 0.1
- TCO₂ : +- 2.0 mmol/L (for plasma only)

Reproducibility

- K⁺ < 1.5 %
- Na⁺ < 1.5 %
- Cl⁻ < 1.5 %
- Li⁺ < 3.0 %
- Ca²⁺ < 3.0 %
- pH < 1.0 %
- TCO₂ < 3.0 %

Compatibles ISE reagents packs

MEDICA EASYLIGHT : ISE pack M 800 ml

AVL : ISE pack A 800 ml

BAYER/CORNING model 614 & 644 : ISE pack B (370 ml + 90 ml)

Shelf life 18 months - 4 packs per box

For electrodes and other reagents please contact us

