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**LOW**

**COST**

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**FAST**

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**EASY**

## i-SMART 30 ELECTROLYTE ANALYSER

**FULL LAB INTEGRATION  
TO PATIENT FILES**



**\$7,750 +  
GST**

**The 'i-Smart 30' Vet Electrolyte Analyser is fast, accurate and maintenance free – in-practice electrolyte analyser ideal for any veterinary practice or laboratory.**

The 'i-Smart 30 Vet' is a maintenance free, portable electrolyte analyser. It performs accurate electrolyte analysis quickly and displays results within 35 seconds. It has an "all-in-one" cartridge containing all consumables required for the tests including reagents, electrodes and sample probe. The 'i-Smart 30' Vet Electrolyte Analyser is a state of the art electrolyte analyser with a modern design, large LCD touch screen and an in-built printer. Electrolyte results can be instantly viewed and printed.

### Species Specific Electrolyte Analysis



Species specific reference ranges enable Sodium, Potassium and Chloride results to be compared to normal levels. The comparison feature compares results taken over a period of time for the same animal, to assess if health is improving or deteriorating.



### **'i-Smart 30' Vet Features:**

- No user maintenance
- Auto-calibration
- Cartridge contains electrodes and all consumables
- Vet specific software
- Fast, accurate electrolyte analysis
- Tests electrolytes Na<sup>+</sup>, K<sup>+</sup> and Cl<sup>-</sup>
- Small, bench top unit
- 60µl sample volume
- Results in 35 seconds
- Specific animal species reference ranges
- 300,000 test data storage
- Large LCD touch screen
- Battery or mains powered



### **Measured Electrolytes:**

- Sodium (Na<sup>+</sup>): 20 - 250 mmol/L
- Potassium (K<sup>+</sup>): 0.5 - 20 mmol/L
- Chloride (Cl<sup>-</sup>): 20 - 250 mmol/L

The 'i-Smart 30' Vet Electrolyte Analyser has a memory capable of storing data for 300,000 tests. The 'i-Smart 30' Vet is both auto-calibrated and compact, meaning it is ideal for immediate in-practice electrolyte analysis. As a portable electrolyte analyser, it can run off its own battery or be powered from the mains. It requires no maintenance and can provide accurate results quickly. The 'i-Smart 30' Vet is an electrolyte analyser suitable for any veterinary practice.

### **Included in the Package:**

As well as the i-Smart 30 Vet Electrolyte Analyser, the package includes:

- An i-Smart stand
  - Barcode scanner
  - Power pack
  - 6 x paper rolls
  - Operator manual
- i-Smart 30 Vet Cartridges are supplied separately to the 'i-Smart 30' Vet analyser. Each cartridge contains the following components:
- 3 x Electrodes
  - 2 x Calibration Fluids
  - Reference Solution
  - Sampler & tubing
  - Waste Bag

## Analyser Specifications:

|                             |   |
|-----------------------------|---|
| Measuring Range             | Na+ : 20 ~ mmol/L<br>K+ : 0.5 ~ 20 mmol/L<br>Cl- : 20 ~ 250 mmol/L        |
| <b>Sample Type</b>          | <b>Whole blood / plasma</b>   |
| Sample Volume               | 60µl  |
| <b>Sample Analysis Time</b> | <b>35 seconds</b>   |
| Measuring Principle         | Electrochemistry (Direct ISE)   |
| <b>Computer</b>             | <b>1 GHz Process</b><br><b>1 Gbyte RAM</b><br><b>4 Gbyte Flash Memory</b> |
| Operating System            | Microsoft Windows® XP Embedded  |
| <b>Display</b>              | <b>7 inch TFT LCD Touch Screen</b>  |
| Printer                     | Thermal, 2 inch width paper   |
| <b>Dimension / Weight</b>   | <b>29.2 x 25.6 x 17.7 cm / 5.5 Kg</b>                                     |
| Voltage                     | 100 ~ 240 VAC<br>47 ~ 63 Hz   |
| <b>Frequency</b>            | <b>47 ~ 63 Hz</b>   |
| Power Adaptor               | AC-DC power supply<br>(Output: DC24V,2.7A)                                |
| <b>Battery Operation</b>    | <b>Max. up to 2 hours</b><br><b>(Rechargeable Li ion battery)</b>         |
| Interface                   | 3 USB<br>Serial RS232<br>Ethernet RJ45<br>Barcode scanner                 |

## i-Smart 30 Vet Cartridge Specifications:

|                                 |  |
|---------------------------------|--|
| Pack Size / On-board expiration | 30 samples / 4 weeks<br>50 samples / 4 weeks<br>100 samples / 4 weeks<br>200 samples / 4 weeks |
| <b>Storage Condition</b>        | <b>10 - 30°C</b>   |
| Components                      | Electrodes<br>Cal 1, Cal 2<br>Reference solution<br>Sampler & tubing<br>Waste bag              |
| <b>Dimension / Weight</b>       | <b>138 x 139 x 80 mm / 0.8kg</b>   |

## Cartridge Prices (exclusive of GST)

- i-Smart electrolyte test cartridge (30 tests) \$283.83 or \$9.46 each
- i-Smart electrolyte test cartridge (100 tests) \$342.14 or \$3.42 each
- i-Smart electrolyte test cartridge (150 tests) \$420.33 or \$2.80 each
- i-Smart electrolyte test cartridge (200 tests) \$464.31 or \$2.32 each