

i-SMART 30

FAST AND ACCURATE ELECTROLYTE TESTING

Now with Ionised Calcium



- Fast, accurate analysis
- Tests Na⁺, K⁺, Cl⁻, HCT & iCa⁺⁺
- 60µl sample volume
- Results in 60 seconds
- 300,000 test data storage
- Large touch screen LCD
- Battery or mains powered
- All-in-One Cartridge
- No user maintenance
- Autocalibration
- Cartridge contains electrodes and all consumables

Measured Parameters

Analytes	Measuring Range
Na ⁺	20 ~ 250 mmol/L
K ⁺	0.5 ~ 20.0 mmol/L
Cl ⁻	20 ~ 250 mmol/L
HCT	10 ~ 60 %
iCa ⁺⁺	0.25 ~ 5.00 mmol/L

Fast, accurate and
maintenance free
electrolyte analysis

Visit www.woodleylabdiagnostics.com for full product range

i-SMART 30

FAST AND ACCURATE ELECTROLYTE TESTING



Cartridge

Contains all consumables including reagents, electrodes and sample probe

Pack Sizes

50, 100, 150, 200, 300

Date & Time	Sample No.	Patient ID	Na ⁺ mmol/L	K ⁺ mmol/L	Cl ⁻ mmol/L	HCT %	iCa ⁺⁺ mmol/L
01/01/2012 04:57:41 PM	120101-010	10020750	140	2.8	102	100	
01/01/2012 04:58:25 PM	120101-009	10020750	140	4.2	100		
01/01/2012 04:58:34 PM	120101-008	10042000	142	4.5	100		
01/01/2012 04:58:54 PM	120101-007	10042000	-	-	-	-	-
01/01/2012 04:51:40 PM	120101-006	200802250	138	4.2	102		
01/01/2012 04:50:10 PM	120101-005	200802250	142	4.2	104		
01/01/2012 04:48:11 PM	120101-004	100419001	140	4.5	104		

Memory

- 300,000 results storage
- Data list, search and view
- Data downloads to USB
- Print and send capability
- Previous result comparison

Measured Electrolytes

- Na⁺, K⁺, Cl⁻, HCT & iCa⁺⁺
- Sample volume of 60µl
- Analysis in 60 seconds
- Automatic or manual calibration

Specifications

Operating Parameters

Measuring Range

Na⁺ : 20 ~ mmol/L
K⁺ : 0.5 ~ 20.0 mmol/L
Cl⁻ : 20 ~ 250 mmol/L
HCT : 10 ~ 60 %
iCa⁺⁺ : 0.25 ~ 5.00 mmol/L

Sample Type

Whole blood / plasma

Sample Volume

60µl

Sample Analysis Time

60 seconds

Measuring Principle

Electrochemistry
(Direct ISE)

Calibration

Automatic or manual

Cartridge

Pack Sizes

- 50 samples / 2 weeks
- 100 samples / 2 weeks
- 150 samples / 2 weeks
- 200 samples / 2 weeks
- 300 samples / 2 weeks

Storage Condition

10 ~ 30°C

Components

- Electrodes
- Cal 1, Cal 2
- Reference solution
- Sampler & tubing
- Waste bag

Dimension / Weight

138 x 139 x 80 mm
0.8kg

Instrument

Computer

1 GHz Process
1 Gbyte RAM
4 Gbyte Flash Memory

Operating System

Microsoft Windows[®]
XP Embedded

Display

7 inch TFT LCD
Touch Screen

Printer

Thermal,
2 inch width paper

Dimension / Weight

292 x 256 x 177 mm
5.5kg

Power Requirements

Voltage

100 ~ 240 VAC

Frequency

47 ~ 63 Hz

Power Adaptor

AC-DC power supply
(Output: DC24V,2.7A)

Battery Operation

Max. up to 2 hours
(Rechargeable Li ion battery)

Interface

- 3 USB
- Serial RS232
- Ethernet RJ45
- Barcode scanner

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