



# CARELYTE™



**SPECIFICATIONS:** \$4,200.00 with your trade-in

## Sample

Feline, Canine, Bovine, Equine, Swine, Ovine, Open

## Sample Type

Whole Blood, Serum, Plasma, or Urine

## Sample Size

95  $\mu$ l

## Detection Range

Blood Na<sup>+</sup>: 40-200 mmol/L

K<sup>+</sup>: 1.7-15 mmol/L

Cl<sup>-</sup>: 50-200 mmol/L

Ca<sup>2+</sup>: 0.3-5.0 mmol/L

Li<sup>+</sup>: 0.2-5.5 mmol/L

Urine Na<sup>+</sup>: 3-300 mmol/L

K<sup>+</sup>: 5-120\* mmol/L

Cl<sup>-</sup>: 15-300 mmol/L

\*60-120 requires additional dilution

## Display Resolution

Na<sup>+</sup>: 1 mmol/L or 0.1 mmol/L

K<sup>+</sup>: 0.1 mmol/L or 0.01 mmol/L

Cl<sup>-</sup>: 1 mmol/L or 0.1 mmol/L

iCa<sup>2+</sup>: 0.01 mmol/L or 0.001 mmol/L

Li<sup>+</sup>: 0.01 mmol/L or 0.001 mmol/L

## Analysis Time

60 sec without printout (60 per hour)

80 sec with printout (45 per hour)

## Data Storage

QC: 3 levels 35 days

Calculation of mean, SD, CV

## Calibration

2 point every 4 hours

1 point every measurement

## Reproducibility

Within Run (n=20)

Blood, Serum, Plasma

Na<sup>+</sup>: CV  $\leq$  1% (120-160 mmol/L)

K<sup>+</sup>: CV  $\leq$  2% (2.5-6 mmol/L)

Cl<sup>-</sup>: CV  $\leq$  2% (85-130 mmol/L)

iCa<sup>2+</sup>: SD  $\leq$  0.02 mmol/L (0.8 – 1.5 mmol/L)

Li<sup>+</sup>: SD  $\leq$  0.02 mmol/L (0.4 – 1.3 mmol/L)

Urine

Na<sup>+</sup>: CV  $\leq$  5% (100-250 mmol/L)

K<sup>+</sup>: CV  $\leq$  5% (10-60 mmol/L)

Cl<sup>-</sup>: CV  $\leq$  5% (100-250 mmol/L)

(Calcium and Lithium are not typically measured in urine samples)

## Output

16x2 place alphanumeric display

16-character width printer

RS232C serial port

## Ambient Conditions

15-32°C, Room temperature (60-90°F)

<85% humidity

## Power

100-240V ~ 50/60 Hz (self adjusting)

1.6 A max, 50 Watts max

## Size

13.2 x 12.4 x 12 inches or 335 x 315 x 295 mm

## Weight

14 lbs or 6 Kgs

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