

# CORLYTE



## THE SIMPLEST WAY TO ELECTROLYTE ANALYSIS



- ◆ Economical
- ◆ Precise
- ◆ Accurate
- ◆ Reliable

The simplest way to electrolyte analysis

# CORLYTE



## SPECIFICATIONS:

### Sample

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>: 200 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)  
Ca<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)

### Veterinary Options

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

### Output

16 x 2 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



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