

OPTI™ CCA-TS

Portable Blood Gas Analyzer + Lactate

**Rapid turnaround time
to help save lives.**



Worldwide sepsis-related deaths are on the rise, with an estimated 18 million cases per year¹ - almost 1,400 deaths per day².

The OPTI CCA-TS analyzer provides fast and accurate lactate and blood gas analysis results to assist in the early detection of sepsis.

The OPTI CCA-TS offers:

- Lactate and blood gas on one cassette for rapid results at the point of care - results in just minutes.
- True measure of total hemoglobin from optical reflectance technology - similar to the method used in CO-Oximetry.
- Improved patient outcomes with early, quick and accurate diagnosis

To learn more about the OPTI CCA-TS analyzer call 800-490-6784 or visit optimedical.com.



OPTI Medical Systems, Inc.
235 Hembree Park Drive
Roswell, Georgia 30076 USA
www.optimedical.com

OPTI™ CCA-TS

Portable Blood Gas Analyzer with Optical Fluorescence Technology

The OPTI B-Lac cassette measures lactate, pH, PCO_2 , PO_2 , tHb, and SO_2 in whole blood – perfect for quick diagnosis at the point of care.

To learn more, contact OPTI Medical today at **800.490.6784** or visit our website at: www.optimedical.com

MEASURED PARAMETERS	RANGE	RESOLUTION	OPERATING PARAMETERS
pH	6.6 - 7.8 pH units	0.001 pH units	Minimum Sample Size: 125 µL
PCO_2	10 - 200 mmHg	0.1 mmHg	Sample Type: Whole Blood, Plasma, or Serum (depends on analyte tested)
PO_2	10 - 700 mmHg	0.1 mmHg	Sample Application: Syringe, Capillary or ComfortSampler™
tHb	5 - 25 g/dL	0.1 g/dL	Sample Input: Automatic Aspiration
SO_2	60% - 100%	0.1%	Analysis Time (Time to Results): < 120 Seconds
Na+	100 - 180 mmol/L	0.1 mmol/L	Ambient Temperature: 10° C - 32° C (50°F - 90°F)
K+	0.8 - 10 mmol/L	0.01mmol/L	Relative Humidity: 5% - 95% (Non-Condensing)
iCa	0.2 - 3.0 mmol/L	0.01mmol/L	Available Languages: English, Spanish, French, Italian, German, Japanese, Chinese, Polish, Portuguese
Cl-	50 - 160 mmol/L	0.1mmol/L	
Glucose	1.7 - 22.2 mmol/L (30 - 400 mg/dL)	0.1mmol/L (0.1 mg/dL)	
BUN (Urea)	2.8 - 112.0 mmol/L (1 - 40 mmol/L)	0.1mmol/L (0.01 mg/dL)	
Lactate	0.3 - 17.5 mmol/L (2.7-157.7 mg/dL)	0.01 mmol/L (0.1 mg/dL)	
Barometric Pressure	300 - 800 mmHg	0.1 mmHg	
CALCULATED PARAMETERS	INPUT PARAMETERS		SECURITY
Actual Bicarbonate (HCO_3)	Operator ID (11 Digits)	Vent Mode	Password: Password Protected Analyzer Setup, Operation and Delete Functions
Standard Bicarbonate (st. HCO_3)	Patient ID (15 Digits)	TVol	QC Lockout: User Definable QC Lockout Functions
Base Excess (BE)	Accession Number (12 Digits)	MVol	Operator IDs: Storage for 300 Operator IDs (11 Digits) and Associated PIN (4 Digits)
Base Excess Extra Cellular Fluid (BEecf)	3 User Defined Fields (9 Digits)	PIV	
Base Excess Actual (BEact)	Patient Temperature	Pplat	
Buffer Base (BB)	Date of Birth	PS	
Standard pH (st.pH)	Patient Sex	PEEP	
Hydrogen Ion Conc. (CH+)	Hemoglobin Type	CPAP	
Total CO_2 (t CO_2)	Puncture Site	Rate	
Oxygen Saturation (SO_2)	Bypass, Sample Type	Flow Rate	
Oxygen Content (O_2 ct)	Total Hemoglobin	I/E ratio	
Alveolar-arterial O_2 Conc. (Aa DO_2)	MCHC	Bi Level Pressure	
P50	O_2 Mode	RQ	
St. Ionized Calcium (pH=7.4)(nCa++)	FI_{O_2}		
Hematocrit (Hct)	P50		
			MISCELLANEOUS
			Size 124 H x 362 W x 230 D mm (4.7 H x 14.2 W x 9.1 D in)
			Weight: 5.5 kg (12 lbs) with rechargeable Battery Pack
			Voltage/Frequency: 120 or 240 AC/50-60 Hz
			Power Consumption (Max.): 110 VA
			Interface: Ethernet, Serial (ASTM or ASCII)
			Approvals: CE, UL, IVDD



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1) Angus DC et al. Crit Care Med 2001; 29: 1303-10.
2) Bone RC et al. Chest 1992; 101: 1644-55.