

OPTI[®] B-Lac Cassette

Lactate **and** blood gas on one cassette for rapid results in just minutes—at the point of care

The OPTI B-Lac Cassette measures lactate, pH, PCO_2 , PO_2 , tHb, and SO_2 in whole blood, to assist in quick diagnosis at the point of care.



The OPTI[®] B-Lac Cassette offers:

- Lactate and blood gas on one cassette
- An individually wrapped, disposable, single-use cassette contains all of the elements needed for calibration, sample measurement, and waste containment
- True measurement of total hemoglobin from optical reflectance technology
- Rapid results at the point of care

Clinical conditions where a lactate blood test is important:

- Sepsis and septic shock
- Cardiogenic, obstructive and haemorrhagic shock
- Cardiac arrest
- Severe lung disease, respiratory failure or pulmonary edema
- Trauma
- Burns and smoke inhalation

To learn more, contact your OPTI Medical representative
800-490-6784 • optimedical.com



OPTI[®] B-Lac Cassette

Exclusively on the OPTI CCA-TS and TS2 Portable Blood Gas and Electrolyte Analyzers

- Lactate and blood gas on one single-use cassette
- Easy and safe maintenance—no electrodes
- Safe disposal—waste is locked in the cassette
- Zero standby cost—no reagents required



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

Measured Parameters	Range	Resolution
pH	6.6 - 7.8 pH units	0.001 pH units
PCO_2	10 - 200 mmHg	0.1 mmHg
PO_2	10 - 700 mmHg	0.1 mmHg
tHb	5 - 25 g/dL	0.1 g/dL
SO_2	60% - 100%	0.1%
Lactate	0.4 - 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
Total CO_2 (t CO_2)
Actual Bicarbonate (HCO_3^-)
Standard Bicarbonate (st. HCO_3^-)
Base Excess (BE)
Base Excess Extra Cellular Fluid (BE _{ecf})
Buffer Base (BB)
Standard pH (st.pH)
Hydrogen Ion Conc. (cH^+)
Anion Gap
Oxygen Content (O_2 ct)
Alveolar-arterial O_2 Conc. (Aa DO_2)
P50
Hematocrit (Hct)
Pa O_2 /Fi O_2 (P/F Ratio)

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