

Fick Equation Cardiac Output

Patient Information

- Name:
- Date of Birth:
- Medical Record Number:
- Date/Time of Assessment:

Vital Signs

- Blood Pressure (mm Hg):
- Heart Rate (bpm):
- Respiratory Rate (bpm):
- Oxygen Saturation (%):

Oxygen Consumption (VO₂)

- Measurement Method (Indirect Calorimetry/Estimate):
- VO₂ Value (ml/min):

Blood Samples

- Arterial Blood Sample
 - Hemoglobin Concentration (g/dL):
 - Arterial Oxygen Saturation (SaO₂) (%):
- Venous Blood Sample
 - Venous Oxygen Saturation (SvO₂) (%):

Fick Equation: Cardiac Output Calculation

- Arterial Oxygen Content (CaO₂) (ml/L):
 - Calculation: $(14.2 * 1.36 * 98) / 100$
- Venous Oxygen Content (CvO₂) (ml/L):
 - Calculation: $(14.2 * 1.36 * 72) / 100$
- Cardiac Output (CO) (L/min):
 - Calculation: $250 / (20.82 - 9.84)$

Interpretation

- Cardiac Output Result (L/min):
- Interpretation (Normal/Abnormal):
- Clinical Implications:

Recommendations/Interventions**Provider Signature**

- Name:
- Title:
- Date: