

Point of Care Testing: Blood Gas, Electrolyte, Glucose, Hematocrit, Lactate, Ionized Calcium, Hemoglobin, and CO-oximetry performed on the GEM4000 Premier Analyzer

UNIT: ICU Units (Cardiac, Neuro, Medical and Surgical/Trauma ICU Units)

Date: 10/27/21

Ashish Agrawal

956FF01D516A464...

DocuSigned by:

Barbara Haller

80A74FA3A64244F...

Ashish Agrawal, M.D.
Respiratory Care Services Medical Director

Barbara Haller, MD, PhD
Lab Director, ZSFG-POCT

Clinical Indication

To assess

- Adequacy of ventilation
- Adequacy of oxygenation
- Acid-Base status
- Cardiopulmonary function
- NOTE: MERT Code Blue cases will include sodium, potassium, glucose, hematocrit, hemoglobin, lactate and CO-oximetry testing performed in addition to the standard blood gas tests and will only be performed on the GEM Premier 4000 SN 15099070.

Respiratory Care Practitioners are responsible for performing this task per physician order.

Documentation

The results will be electronically transferred to the Electronic Medical Record.

Clinical Action

- If the results are outside of the acceptable range as ordered by a physician or based on ZSFG's approved critical values, the Respiratory Care Practitioner notifies the patient's physician, documenting the date, time and name of the physician notified.
- All results are reviewed by the patient's physician.
- Therapeutic changes are made to the mechanical ventilator or oxygen delivery device to correct blood gas values that are out of range.