

**Respiratory Care Services
John Dempsey Hospital
Policy and Procedure Manual**

Subject: Oxygen Analysis

Rationale: Regular analysis of oxygen delivered by respiratory therapy devices is necessary to ensure their reliable and safe operation.

Equipment: Oxygen Analyzer
Sensor Holder
Sensor Cell
Tee adapter

Procedure:

1. Obtain the necessary equipment from the Respiratory Care equipment area and proceed to the bedside.
2. Flip the toggle switch at the top of case to “on” to power the unit. The analyzer requires about 30 seconds to activate. During the activation period, the LCD display will flash “0:0”. When the LCD stops flashing, the unit is ready to use.
3. Set the analyzer on a stable, flat surface and place the sensor:
 - Ventilator - use the tee adapter. Insert the sensor into the tee, and attach the tee inline with circuit.
 - Others - into the environment to be analyzed.
4. Record reading - for ventilator on ventilator flow sheet, others on respiratory treatment sheet.
5. Return equipment to the Respiratory Care Services equipment room.

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