

Section: Division of Nursing  
Approval: \_\_\_\_\_  
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\* **PROCEDURE** \*  
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HACKETTSTOWN REGIONAL MEDICAL CENTER

Originator: L. Hibschan, RN  
Revised by: C. Burns, RNC, BSN

**NEWBORN SERVICES/4-SOUTH**  
(Scope)

**TITLE: OXYGEN ANALYZER, USE OF**

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**PURPOSE:** To outline procedure for determining O<sub>2</sub> concentration in isolette or disposable hood.

**SUPPORTIVE DATA:** Whenever infant is on oxygen, the O<sub>2</sub> concentration must be kept at the level ordered by the physician.

**EQUIPMENT:** Oxygen analyzer

**CONTENT:**

**PROCEDURE STEPS:**

**KEY POINTS:**

1. Calibrate analyzer in room air to 20-22% by turning knob on back of analyzer. Calibrate to 100% O<sub>2</sub>.
2. Place analyzer on flat surface.
3. Insert analyzer probe into isolette or under disposable hood.
4. Plug sensor in analyzer.
5. Take reading.
6. Record on RDS sheet.

Perform calibration before using.

To ensure accuracy of concentration, place sensor near face.

Sensor should be plugged in only while reading is being taken.

O<sub>2</sub> concentration must be checked and recorded at least hourly.