

**EMERGENCY DEPARTMENT POLICIES**

<b>SUBJECT:</b>	Gem 3000 Point of Care Blood Analysis	NO. 24.4
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Original Date of Issue: 4/04

Reviewed:							
Revised:							

**Patient Population**

Neonate	√
Pediatric	√
Adolescent	√
Adult	√
Geriatric	√

**POLICY:**

To assure rapid patient care with rapid lab results, without over-ordering testing. The Gem 3000 offers all the results of an arterial blood gas (pH, paO<sub>2</sub>, paCO<sub>2</sub>, HCO<sub>3</sub>, Lactate) as well as (Na, K, C1, HCO<sub>3</sub>)

**PROCEDURE:**

Order Gem 3000 testing when:

1. Results of the Gem will have immediate impact on decision making/patient care.
2. Results will preclude need for other testing.

Do NOT order Gem 3000:

1. If venous panel/chem. 7 (i.e. BUN/Cr) is necessary for patient care.
  2. For routine admission labs.
  3. If results will not affect care.
- Dayshift clinical coordinator monitors the ongoing quality control and proper functioning of the Gem.
  - The patient identifier should be the Ibex account number.
  - Ongoing user education is coordinated by the Education Specialist.