**STAT Ethylene Glycol Testing Protocol**

**Options for Testing:**

- Send to Mayo Medical Laboratories for testing.
- Send to Children’s Mercy in Kansas City.
  - Turnaround time: 12 hours plus transport
  - Children’s Mercy Order Forms can be found in the green cabinet in the Sendout area
  - Day shift:
    - Call Mary’s Care at 207-862-7754 for transport ($1.10/mile=$186)
  - Evenings, nights, and weekends:
    - David Stacey (Medical Mile Courier) 207-844-3994
    - Call Mary’s Care at 207-862-7754 for transport ($1.10/mile=$186)
    - Lavern Brown 207-872-8445 (Independent Courier Service)
    - Have laboratory personnel drive it up to Children’s Mercy

**Prerequisites for Testing Ethylene Glycol:**

- Osmolality Gap. Serum Osmolality with a calculated osmolality and a calculated osmolality gap
- Basic Metabolic Panel or Comprehensive Metabolic Panel
- Arterial Blood Gases
- Urinalysis

**Criteria for Sending STAT Ethylene Glycol:**

- History of recent ethylene glycol ingestion is definite
- History or suspicion of ethylene glycol intoxication and at least 2 of the following are present:
  - Arterial pH level <7.3
  - Serum bicarbonate level <20 mEq/L
  - Osmolality gap >10 mOsm/L
  - Urinary oxalate crystals are present