<table>
<thead>
<tr>
<th>Lab Dept:</th>
<th>Chemistry</th>
</tr>
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<tbody>
<tr>
<td>Test Name:</td>
<td>SULFISOXAZOLE LEVEL</td>
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</tbody>
</table>

**General Information**

- **Lab Order Codes:** SULF
- **Synonyms:** Gantrisin; Sulfonamides
- **CPT Codes:**
  - 84311 – Spectrophotometry, quantitation of analyte not otherwise specified
  - 80375 – Drug or substance, definitive, qualitative or quantitative, nos, 1-3
- **Test Includes:** Sulfisoxazole level reported in mcg/mL.

**Logistics**

- **Test Indications:** Useful for monitoring therapy to avoid urinary crystal formation.
- **Lab Testing Sections:** Chemistry - Sendouts
- **Referred to:** Mayo Medical Laboratories (MML Test: 90525) forward to NMS Laboratories (NMS Test: 42455P)
- **Phone Numbers:**
  - MIN Lab: 612-813-6280
  - STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 7 days, test performed Thursdays
- **Special Instructions:** Peak levels should be drawn 30 minutes after completion of infusion of an intravenous dose or 60 minutes after an intramuscular or oral dose of the antimicrobial to be assayed.

**Specimen**

- **Specimen Type:** Blood
- **Container:** Red NO GEL tube. **Do Not** use SST tubes.
  - Alternate tube: Lavender top (EDTA) tube
**Draw Volume:** 3 mL (Minimum: 1.2 mL) blood

**Processed Volume:** 1 mL (Minimum: 0.4 mL) serum/plasma

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Indicate serum or plasma on specimen label. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens; sample collected in a gel tube

### Interpretive

**Reference Range:** Therapeutic concentration: 50 - 100 mcg/mL

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Spectrophotometry

**References:**
- Mayo Medical Laboratories December 2017
- NMS National Medical Services Laboratory December 2017

**Updates:** 1/24/2011: Specimen forward to NMS. Note CPT change, therapeutic range change and method change.