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**Lab Dept:** Chemistry

**Test Name:** SULFISOXAZOLE LEVEL

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***General Information***

**Lab Order Codes:** SULF

**Synonyms:** Gantrisin; Sulfonamides

**CPT Codes:** 84311 – Spectrophotometry, quantitation of analyte not otherwise specified

**Test Includes:** Sulfisoxazole level reported in mcg/mL.

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***Logistics***

**Test Indications:** Useful for monitoring therapy to avoid urinary crystal formation.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (Test# 90525) forward to NMS Laboratories

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 - 4 days, test set up Monday - Friday

**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.

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top (plain, no gel) tube. **Do Not** use SST tubes.

Alternate tube: Lavender top (EDTA) tube

**Draw Volume:** 3 mL (Minimum: 1.5) blood

**Processed Volume:** 1 mL (Minimum: 0.5 mL) serum/plasma

<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; sample collected in a gel tube

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### ***Interpretive***

<b>Reference Range:</b>	Therapeutic concentration: 50 - 100 mcg/mL
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Spectrophotometry
<b>References:</b>	<a href="#">Mayo Medical Laboratories</a> (January 2011) <a href="#">NMS National Medical Services Laboratory</a> (January 2011)
<b>Updates:</b>	1/24/2011: Specimen forward to NMS. Note CPT change, therapeutic range change and method change.