TEST CHANGE

Antibiotic Level, Ceftazidime

2004886, ML CEFTAZ

Specimen Requirements:	
Patient Preparation:	
Collect:	Plain red.
Specimen Preparation:	Aseptically remove 2 mL serum to a sterile tube (ARUP supply #43115) and freeze. Available online through eSupply using ARUP Connect(TM) or contact ARUP Client Services at ~~(~~800~~-)~~ 522-2787. (Min: 1 mL)
Transport Temperature:	Frozen.
Unacceptable Conditions:	SST or Plasma.
Remarks:	Required information includes: time and date of collection, time of last dose, and list of all antibiotics that the patient is receiving or has received in the past 48 hours.
Stability:	Ambient: 2 hours; Refrigerated: 24 hours (local clients only); Frozen: 1 week
Methodology:	Bioassay
Performed:	Sun-Sat
Reported:	2-3 days
Note:	Please include time of last dose, and list all antibiotics that the patient is receiving or has received in the past 48 hours. This information is essential for performing the test and subsequent physician interpretation of results.
CPT Codes:	80299
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

Normal peak serum concentration for ceftazidime is 42 ug~~u~~g/mL with a 500 mg IV dose, 69 ug~~u~~g/mL with a 1 g IV dose or 159-186 ug~~u~~g/mL with a 2 g IV dose. Trough serum concentration is not well established.

For bioassay measurements, the presence of other antimicrobial agents may interfere with the assay. Other factors that may influence antimicrobial levels include inherent differences among

patients and their underlying physical conditions as well as the dose and route of administration of the antimicrobial agent.

Reference Interval: