

TEST CHANGE

Antibiotic Level, Meropenem

0060844, ML MERO

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; Frozen: 1 week

Methodology: Quantitative Bioassay

Performed: Sun-Sat

Reported: 2-3 days

Note: Please include time of last dose, and list of all antibiotics that the patient is receiving or has received in the past 48 hours. This information is important for laboratory handling and essential for 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 meropenem is 26 ug+g/mL with a 500 mg IV dose or 55-62 ug+g/mL with a 1 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:
