
Lab Dept: Chemistry

Test Name: BILE ACIDS BY MASS SPECTROMETRY

General Information

Lab Order Codes: BACD (If both urine and blood are collected together on the same day, order the Blood specimen as a Miscellaneous Battery as it requires a 59 modifier as a second specimen.)

Synonyms: N/A

CPT Codes: 83789 – Bile acids by Mass Spectrometry

Test Includes: Bile acids reported in umol/L.

Logistics

Test Indications: If urine is analyzed and shows evidence of a metabolic abnormality, it is recommended a serum sample be collected and tested at an additional fee (same charge as the urine). This will be discussed with the lab and ordering provider. **This situation is rare.**

Lab Testing Sections: Chemistry – Sendouts (Urine:497, Blood/Serum: 503)

Referred to: Children's Hospital Medical Center, Cincinnati, OH

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 4 weeks

Special Instructions: Please note if the patient is currently on Urso or Actigall and if the patient has been ill within the past month with specific dates if possible. It is recommended that patients be off these two drugs for at least 5 days before specimen collection. Also provide a brief clinical history and preliminary diagnosis. Call reference lab at 513-636-4203 with questions.

Specimen

Specimen Type: Urine, Blood (serum) or Bile

Container:	Urines: Leak-proof urine container Blood: Red top tube Bile: Specimen collection vial
Draw Volume:	5 - 30 mL (Minimum 2mL) urine 1.5 – 6 mL blood 1 – 2 mL bile
Processed Volume:	Bile/Urine: Same as Draw Volume Blood: 1 – 2 mL serum
Collection:	Routine urine or bile collection
Special Processing:	Lab Staff: Freeze random urine or bile specimen. Blood specimens: Centrifuge and aliquot 1-2 mL into a scew-top plastic container and freeze. Ship frozen, Monday – Thursday, only. Send overnight express. There is no weekend delivery. Hold specimens collected on the weekend for Monday.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimen

Interpretive

Reference Range:	An interpretive report will be provided.
Critical Values:	N/A
Limitations:	N/A
Methodology:	FAB-MS (fast atom bombardment-mass spectrometry; LSIMS)
References:	Children’s Hospital Medical Center, Cincinnati, OH 2003