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**Reporting Title:** Bile Acid Malabsorption Panel**Performing Location:** Rochester**Ordering Guidance:**

This test is for evaluation of bowel dysfunction.

For evaluation of hepatobiliary dysfunction, order BILEA / Bile Acids, Total, Serum.

For evaluation of patients treated with urso or cholate, order BAFS / Bile Acids, Fractionated and Total, Serum.

For evaluation of inborn errors of metabolism, order BAIPD / Bile Acids for Peroxisomal Disorders, Serum.

For confirmatory testing for bile acid malabsorption using a 48-hour fecal collection, order BA48F / Bile Acids, Bowel Dysfunction, 48 Hour, Feces

**Shipping Instructions:**

Feces and serum should be shipped together. Specimens shipped separately may delay testing.

**Specimen Requirements:****Patient Preparation:**

1. For serum collection: Patient must fast for at least 12 hours prior to collection; fasting morning specimen is preferred.
2. Patient should not have recently taken antibiotics, bile acid sequestrants for 24 hours prior to collection, or statins for 5 days prior to collection.
3. No laxatives (particularly mineral oil and castor oil)
4. No synthetic fat substitutes (eg, Olestra) or fat-blocking nutritional supplements
5. Barium interferes with test procedure; if patient has used barium, it is recommended to wait 48 hours before starting the stool collection.

**Both feces and serum are required.**

Collection for both serum and feces should be completed on the same day, but up to 3 days apart is acceptable.

**Specimen Type:** Serum**Collection Container/Tube:****Preferred:** Serum gel**Acceptable:** Red top**Submission Container/Tube:** Plastic vial**Specimen Volume:** 1 mL**Collection Instructions:**

1. Centrifuge and aliquot 1 mL of serum into a plastic vial.
2. Send specimen frozen.

**Specimen Type:** Feces**Supplies:** Stool Container, Small (Random), 4 oz (T288)**Container/Tube:** Fecal container**Specimen Volume:** 5 g**Collection Instructions:**

1. Collect a loose, unpreserved, random fecal specimen.
2. Freeze immediately.

**Additional Information:** If additional tests are ordered, aliquot and separate sample prior to freezing to allow 1

container per test.

Forms:

If not ordering electronically, complete, print, and send a [Gastroenterology and Hepatology Test Request](#) (T728) with the specimen.

Specimen Type	Temperature	Time	Special Container
Fecal	Frozen	30 days	
Serum	Frozen (preferred)	90 days	
	Refrigerated	72 hours	
	Ambient	24 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
65504	7AC4, Bile Acid Synthesis, S	Numeric	ng/mL	94866-1
619971	Bile Acid Malabsorption Panel Interpretation	Alphanumeric		59462-2
620308	Bile Acids, % CDCA + CA, F	Alphanumeric	% total	103710-0

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
7AC4	7AC4, Bile Acid Synthesis, S	1	82542	Yes	Yes
BAMRF	Bile Acid, Malabsorption, F	1	82542	Yes	No

CPT Code Information:

82542 x2

Reference Values:

BILE ACID MALABSORPTION, FECAL:

> or =18 years:

Sum of cholic acid and chenodeoxycholic acid: < or =10.0%

7AC4, BILE ACID SYNTHESIS, SERUM:

2.5-63.2 ng/mL

Reference values have not been established for patients who are younger than 18 years of age.

