

Reporting Title: Bile Acid Profile, S

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:

This test is intended for use by research scientists. **Approval must be obtained before ordering.**

Specimen Requirements:

Patient Preparation: Patient **must** fast for 12 to 14 hours.

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

Forms:

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	90 days	
	Ambient	90 days	
	Frozen	90 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
35802	Chenodeoxycholic acid	Numeric	nmol/mL	30519-3
35801	Cholic acid	Numeric	nmol/mL	30518-5
35803	Deoxycholic acid	Numeric	nmol/mL	30520-1
35819	Dihydroxycholestanolic acid	Numeric	nmol/mL	53479-2
35808	Glycochenodeoxycholic acid	Numeric	nmol/mL	93335-8
35807	Glycocholic acid	Numeric	nmol/mL	93334-1
35809	Glycodeoxycholic acid	Numeric	nmol/mL	93333-3
35811	Glycohyodeoxycholic acid	Numeric	nmol/mL	93332-5
35812	Glycolithocholic acid	Numeric	nmol/mL	93331-7
35810	Glycoursodeoxycholic acid	Numeric	nmol/mL	93330-9
35805	Hyodeoxycholic acid	Numeric	nmol/mL	93329-1
35806	Lithocholic acid	Numeric	nmol/mL	74897-0
35814	Taurochenodeoxycholic acid	Numeric	nmol/mL	93328-3
35813	Taurocholic acid	Numeric	nmol/mL	93327-5
35815	Taurodeoxycholic acid	Numeric	nmol/mL	93326-7
35817	Taurohyodeoxycholic acid	Numeric	nmol/mL	93325-9
35818	Tauroolithocholic acid	Numeric	nmol/mL	93324-2

35816	Tauroursodeoxycholic acid	Numeric	nmol/mL	93323-4
35820	Trihydroxycholestanoic acid	Numeric	nmol/mL	38188-9
35804	Ursodeoxycholic acid	Numeric	nmol/mL	55159-8
35821	Total bile acids	Numeric	nmol/mL	14628-2

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

Supplemental Report:

No

CPT Code Information:

82542

Reference Values:

- Chenodeoxycholic acid: < or =2.26 nmol/mL
- Cholic acid: < or =2.74 nmol/mL
- Deoxycholic acid: < or =2.84 nmol/mL
- Dihydroxycholestanoic acid: < or =0.07 nmol/mL
- Glychenodeoxycholic acid: < or =5.14 nmol/mL
- Glycocholic acid: < or =2.17 nmol/mL
- Glycodeoxycholic acid: < or =3.88 nmol/mL
- Glycohyodeoxycholic acid: < or =0.01 nmol/mL
- Glycolithocholic acid: < or =0.11 nmol/mL
- Glycoursodeoxycholic acid: < or =1.00 nmol/mL
- Hyodeoxycholic acid: < or =0.12 nmol/mL
- Lithocholic acid: < or =0.09 nmol/mL
- Taurochenodeoxycholic acid: < or =0.80 nmol/mL
- Taurocholic acid: < or =0.31 nmol/mL
- Taurodeoxycholic acid: < or =0.78 nmol/mL
- Taurohyodeoxycholic acid: < or =0.02 nmol/mL
- Taurolithocholic acid: < or =0.04 nmol/mL
- Tauroursodeoxycholic acid: < or =0.05 nmol/mL
- Trihydroxycholestanoic acid: < or =1.73 nmol/mL
- Ursodeoxycholic acid: < or =0.64 nmol/mL
- Total bile acids: < or =19.00 nmol/mL