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 Use a keyword, test name or number

Mitochondrial (M2) Antibody

TEST: 006650 CPT: 83516

Synonyms • [AMA](#)

Expected Turnaround Time 1 - 3 days

Turnaround time is defined as the usual number of days from the date of pickup of a specimen for testing to when the result is released to the ordering provider. In some cases, additional time should be allowed for additional confirmatory or additional reflex tests. Testing schedules may vary.

Related Documents • [Sample Report](#)

SPECIMEN REQUIREMENTS

Specimen Serum

Volume 1 mL

Minimum Volume 0.3 mL (**Note:** This volume does **not** allow for repeat testing.)

Container Red-top tube or gel-barrier tube

Storage Instructions Room temperature

Stability Requirements	Temperature	Period

Temperature	Period
Room temperature	14 days
Refrigerated	14 days
Frozen	14 days
Freeze/thaw cycles	Stable x3

Causes for Rejection Hemolysis; lipemia; gross bacterial contamination; heat-treated specimen; specimen with preservative added

TEST DETAILS

Use The presence of mitochondrial antibodies can be used in conjunction with clinical findings and other laboratory tests to aid in the diagnosis of primary biliary cirrhosis (PBC).

Limitations The presence of immune complexes in the patient's sample may cause an increased level of nonspecific binding and produce false-positive results. Not all PBC patients are positive for mitochondrial antibodies. Results of this assay should be used in conjunction with clinical findings and other serologic tests.

Methodology Enzyme-linked immunosorbent assay (ELISA)

Reference Interval

- Negative: 0.0–20.0
- Equivocal: 20.1–24.9
- Positive: >24.9

Additional Information Antimitochondrial antibodies (AMA) have been reported in 90% to 96% of patients with primary biliary cirrhosis. AMA are also occasionally found in sera of patients with other liver diseases, including chronic active hepatitis, cryptogenic cirrhosis,

as well as in patients with clinical but no biochemical evidence of liver disease. The M2 antigen used is strongly associated with PBC, while other types (M1, M2, M5, and M6) are associated with a wide variety of conditions.

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CPT Statement/Profile Statement

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