

TEST CHANGE

3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (HMGCR) Antibody, IgG
2013101, HMGCR

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube (SST).

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum (Min: 0.3 mL) to an ARUP standard transport tube.

Transport Temperature: Refrigerated. Also acceptable: Frozen.

Unacceptable Conditions: Contaminated, heat-inactivated, clots, fibrin, gross red blood cells, severely lipemic, severely hemolyzed, or severely icteric specimens.

Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: **30 days**~~1 year~~ (avoid repeated freeze/thaw cycles)

Methodology: Semi-Quantitative **Chemiluminescent Immunoassay (CLIA)**~~Enzyme-Linked Immunosorbent Assay (ELISA)~~

Performed: **Mon, Wed, Fri**

Reported: **1-~~5~~15 days**

Note:

CPT Codes: **82397**~~83516~~

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

IgG antibodies to 3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMGCR) are mainly associated with necrotizing autoimmune myopathy (NAM) in a subset of statin-treated patients. Although infrequent, these antibodies may also be observed in statin-naïve patients with NAM. Strong clinical correlation is recommended in the absence of muscle fiber necrosis, elevated serum creatine kinase, perimysial pathology, and/or statin exposure.

Reference Interval:

Test Number	Components	Reference Interval
HMGCR Antibody, IgG	Less than 20.0	0-19 Units: Negative

Inserted Cells

Inserted Cells



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and its Department of Pathology*

Effective Date: **October 6, 2025**

HOTLINE NOTE: There is a numeric map change associated with this test. Refer to the Hotline Test Mix for interface build information.