

**TEST STATUS - NEW TEST****Notification Date:** 2/26/2025**Effective Date:** 3/5/2025**Test Name: HMGCR Antibody, IgG****Test ID:** LAB6784**Explanation:** This test is a new EPIC orderable for 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (HMGCR) Antibody, IgG testing sent to ARUP vs Miscellaneous Reference Test.**Useful For:** This test may aid in the differential diagnosis of myositis in patients with or without statin exposure.**Methodology:** Semi-Quantitative Enzyme-Linked Immunosorbent Assay**Reference Interval:** 0-19 units**Specimen Requirements:**

<b>Specimen Type:</b>	Serum
<b>Alternate Specimen:</b>	N/A
<b>Container/Tube:</b>	Gold serum separator tube (SST)
<b>Specimen Preparation:</b>	Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum to an aliquot transport tube.
<b>Specimen Volume:</b>	0.5 mL (minimum 0.3 mL)
<b>Pediatric Collection:</b>	Same as above
<b>Storage/Transport Temperature:</b>	Refrigerated or Frozen

**Specimen Stability Information:**

<b>Specimen Type</b>	<b>Temperature</b>	<b>Time</b>
Serum	Ambient	48 hours
Serum	Refrigerated	2 weeks
Serum	Frozen	1 year (avoid repeated freeze/thaw cycles)

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**Cautions:** 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-naive 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.

**Reasons for Rejection:** Improper specimen type including contaminated, heat-inactivated, hemolyzed, icteric or lipemic samples; Improper specimen collection including lack of patient identification; Insufficient sample volume; Improper specimen transport or storage

**Recommendations:** See the above indications.

**CPT Code(s):** 83516

**Days(s) Performed:** Fri

**Report Available:** 1-15 days

**Questions:** Please get in touch with Vanderbilt Medical Laboratories Customer Service at 615-875-5227 (5-LABS) or 800-551-5227 or visit our website: [Home | Vanderbilt Medical Laboratories \(vumc.org\)](http://vumc.org)