Lab Dept:   Serology
Test Name:  SMOOTH MUSCLE ANTIBODY

General Information

Lab Order Codes: SMAS
Synonyms: Smooth Muscle Antibodies, serum; SMA
CPT Codes:
86255 - Fluorescent noninfectious agent antibody; screen each antibody
86256 – Titer, each antibody (if positive)
Test Includes: Smooth Muscle Antibody screen. If results are positive, the titer will be performed at an additional charge.

Logistics

Test Indications: Testing for smooth muscle antibodies is useful for the evaluation of patients with chronic liver disease in whom the diagnosis of chronic active autoimmune hepatitis is suspected.

Other diseases in this differential diagnosis group include primary biliary cirrhosis, chronic viral hepatitis, and alcoholic chronic hepatitis.

Sera from patients with autoimmune chronic active hepatitis contain antibodies to smooth muscle antigens that are detectable by indirect immunofluorescence on substrates that contain smooth muscle.

The antibodies are primarily of the IgG isotype.

Lab Testing Sections: Serology - Sendouts
Referred to: Mayo Medical Laboratories (MML Test: SMA)
Phone Numbers:
MIN Lab: 612-813-6280
STP Lab: 651-220-6550
Test Availability: Daily, 24 hours
Turnaround Time: 2 - 4 days, test set up Monday - Saturday
Special Instructions: N/A

Specimen
**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube

**Draw Volume:** 2.4 mL (Minimum: 1.2 mL) blood

**Processed Volume:** 0.8 mL (Minimum: 0.4 mL) serum

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Specimens other than serum; warm specimens; gross hemolysis; gross lipemia

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**Interpretive**

**Reference Range:** Negative, if positive, results are titered.

**Critical Values:** N/A

**Limitations:** No known false positives or negatives

**Methodology:** Indirect immunofluorescence

**References:** [Mayo Medical Laboratories](https://www.mayoclinic.org) November 2017

**Updates:** 11/13/2017: Collection container update.
12/31/2018: Specimen volume update from Mayo.