### 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: 6284/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: Red top tube

Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.2 mL) serum

Collection: Routine venipuncture

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

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 July 2013