Lab Dept: Serology

Test Name: ASPERGILLUS ANTIBODY

General Information

Lab Order Codes: ASAB

Synonyms: A. fumigatis IgG Antibody; Aspergillus fumigatis IgG Antibody

CPT Codes: 86606 – Antibody; aspergillus

Test Includes: Aspergillus fumigatus IgG only

Logistics

Test Indications: Useful for detection of antibodies in persons having aspergillosis,

primarily allergic bronchopulmonary disease, or fungus ball.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: SASP)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 3 days, test is set up Monday - Saturday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 1.5 mL (Minimum: 0.9 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.3 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove serum and store refrigerated.

Ship at refrigerated temperature.

Patient Preparation: None

Sample Rejection: Specimens other than serum, mislabeled or unlabeled specimens

Interpretive

Reference Range:

Age:	Reference range (mg/L):
<4 years:	Not established
≥ 4 years:	≤102 mg/L

Elevated concentrations of IgG antibodies to *Aspergillus fumigatis* are consistent with the diagnosis of aspergillosis, either invasive disease or Hypersensitivity Pneumonitis. The levels of antibodies were often markedly elevated (>10 times the upper limit of normal), and there was no difference in subgroups of patients with Hypersensitivity Pneumonitis and cavitary disease with Hypersensitivity Pneumonitis.

Critical Values: N/A

Limitations: IgG antibodies to Aspergillus fumigatus are detectable in sera from

healthy individuals, and the presence of antibodies is not sufficient to

establish the diagnosis of aspergillosis.

The levels of antibodies often decrease following successful treatment; but elevated levels may persist for long periods. The measurement of IgG antibodies to Aspergillus fumigatis should not be relied upon

exclusively to establish the diagnosis of aspergillosis.

Methodology: Fluorescence Enzyme Immunoassay (FEIA)

References: Mayo Medical Laboratories Web Page November 2017

Updates: 11/7/2017: Collection container update