
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 fumigatus* 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 fumigatus* 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