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**Lab Dept:** Serology

**Test Name:** ASPERGILLUS ANTIBODY

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***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

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***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

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube, plain, no gel

**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

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***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](#) (June 2013)