**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:** 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

**Interpretive**

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Age:</th>
<th>Reference range (mg/L):</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>&lt;4 years:</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>≥ 4 years:</td>
<td>≤102 mg/L</td>
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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 fumigatus should not be relied upon exclusively to establish the diagnosis of aspergillosis.

Methodology: Fluorescence Enzyme Immunoassay (FEIA)

References: [Mayo Medical Laboratories Web Page](https://www.mayoclinic.org) (June 2013)