
Lab Dept: Serology

Test Name: PIGEON BREEDER'S DISEASE SEROLOGY

General Information

Lab Order Codes: PBDS

Synonyms: Avian protein

CPT Codes: 86001 – Allergen specific IgG quantitative or semiquantitative, each allergen

Test Includes: Includes titers for antibodies against both chickens and pigeons

Logistics

Test Indications: Measurement of IgG antibodies to pigeon droppings is useful in the evaluation of patients suspected of having hypersensitivity pneumonitis (HP) induced by the exposure to this antigen.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (Test: SPB)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days, performed Monday – Saturday

Special Instructions: N/A

Specimen

Specimen Type: Whole 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 and place in a screw-capped round bottom plastic vial. Store and ship refrigerated. Forward promptly.

Patient Preparation: None

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

Interpretive

Reference Range: ≥16 years: ≤53.3 mg/L

Elevated concentrations of IgG antibodies to pigeon droppings are consistent with the diagnosis of HP caused by exposure to this antigen. Negative results do not rule out the disease.

Critical Values: N/A

Limitations: IgG antibodies to pigeon droppings are detectable in healthy individuals, and the presence of antibodies is not sufficient to establish the diagnosis of HP caused by exposure to this antigen.

The levels of antibodies decrease following successful treatment of HP; but, elevated levels may persist for long periods.

The measurement of IgG antibodies to pigeon droppings should not be relied upon exclusively to establish the diagnosis of HP.

Methodology: Fluorescence Enzyme Immunoassay (FEIA)

References: [Mayo Medical Laboratories Web Page](#) August 2015

Updates: 7/12/2006: Updated reference range, previously reported as ≥16 years: ≤110.0 mg/L.
1/28/2016: CPT update