
Lab Dept: Serology

Test Name: PARAINFLUENZA ANTIBODY

General Information

Lab Order Codes: PARI

Synonyms: Parainfluenza Virus Types 1, 2, 3

CPT Codes: 86790 x3 – Antibody, virus not elsewhere specified

Test Includes: Parainfluenza virus types 1, 2, & 3 total antibody

Logistics

Test Indications: To support the diagnosis of parainfluenza infection.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: 80241/PARAV) forward to Focus Technologies (Test: 40755)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 – 9 days, test set-up Monday – Friday.

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Lab staff: Centrifuge specimen; remove serum aliquot in a screw-capped round bottom plastic vial. Store and ship at ambient room temperature. Forward promptly.

Special Processing:	Routine venipuncture
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimen

Interpretive

Reference Range:	<1:8 Antibody not detected ≥1:8 Antibody detected Single titers of ≥1:64 are indicative of recent infection. Titers of 1:8 to 1:32 may be indicative of either past or recent infection, since complement fixation antibody levels persist for only a few months. A four-fold or greater increase in titer between acute and convalescent specimens confirms the diagnosis. After initial infection, antibody responses at a later date are often heterotypic and exhibit cross-reactivity with other paramyxoviruses (e.g. mumps).
Critical Values:	N/A
Limitations:	Heterotypic rises in parainfluenza titers may occur in infections with other viruses. Infant antibody response may be undetectable. Parainfluenza serology is not recommended for clinical diagnostic purposes.
Methodology:	Complement fixation (CF)
References:	Mayo Medical Laboratories Web Page June 2013 Focus Technologies Web Page June 2013
Updates:	3/18/2004: Test moved from Lab Corp (Viromed) to Mayo Medical Laboratories forward to Focus Technologies. Note: Test now measures total antibody. 10/6/2006: CPT code previously listed as 86171 x3.