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:/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: SST (Gold, marble or red) 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 November 2017

Focus Technologies Web Page November 2017

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.

11/7/2017: Collection container update