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**Lab Dept:** Serology

**Test Name:** PARAINFLUENZA ANTIBODY

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***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

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***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

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***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.

<b>Special Processing:</b>	Routine venipuncture
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimen

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### ***Interpretive***

<b>Reference Range:</b>	<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).
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	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.
<b>Methodology:</b>	Complement fixation (CF)
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> November 2017  <a href="#">Focus Technologies Web Page</a> November 2017
<b>Updates:</b>	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