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**Lab Dept:** Serology

**Test Name:** ECHOVIRUS ANTIBODY PANEL

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***General Information***

**Lab Order Codes:** ECVP

**Synonyms:** Echovirus serology; Echovirus titer

**CPT Codes:** 86658 x5 – Antibody; enterovirus

**Test Includes:** Echovirus type 4, type 7, type 9, type 11, and type 30 total antibodies.  
**Note:** The Echovirus serotypes used in this panel will vary depending upon current epidemiological data.

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***Logistics***

**Test Indications:** Aid in establishing the diagnosis of echovirus infections

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories forward to Focus Technologies (MML Test: 80293/ECHO) (Focus Test# 40435)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 - 9 days

**Special Instructions:** Designate whether specimen is acute or convalescent.

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***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:** Routine venipuncture

<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, separate serum into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Improperly labeled specimen

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### ***Interpretive***

**Reference Range:** <1:8 Antibody not detected  
≥1:8 Antibody detected

Single titers ≥1:32 are indicative of recent infection. Titers of 1:8 and 1:16 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.

Test performed by:  
Focus Diagnostics  
5785 Corporate Avenue  
Cypress, CA 90630

**Critical Values:** N/A

**Limitations:** There is considerable crossreactivity among enteroviruses; however, the highest titer is usually associated with the infecting serotype.

**Methodology:** Complement Fixation (CF)

**References:** [Mayo Medical Laboratories](#) July 2013

[Focus Technologies](#) July 2013

**Updates:** 3/2/2004: Test moved from Lab Corp (Viomed) to MML (forward to Focus Technologies). Test previously measured IgG antibody, now measures total antibody.