
Lab Dept: Serology

Test Name: COXSACKIE B ANTIBODY PANEL

General Information

Lab Order Codes: COBA

Synonyms: Myocarditis Antibodies

CPT Codes: 86658 x6 – Antibody; enterovirus

Test Includes: Coxsackie B virus type 1 - 6 total antibodies

Logistics

Test Indications: Useful for detecting total antibodies to coxsackie B virus types 1 – 6.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories forward to Focus Technologies (Test: COXB)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

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

Special Instructions: Designate whether specimen is acute or convalescent.

Specimen

Specimen Type: Blood

Container: SST (Marble, gold or red top) tube

Draw Volume: 6 mL (Minimum: 1.5 mL) blood

Processed Volume: 2 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, separate serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Improperly labeled specimen; gross hemolysis

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 or 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 Diagnostic
5785 Corporate Avenue
Cypress, CA 90630-4750

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](#) December 2017

[Focus Technologies Web Page](#) (Focus Test 40335) December 2017

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.
8/3/2016: Tube update.