



A nonprofit enterprise of the University of Utah
and its Department of Pathology

Effective Date: August 19, 2024

TEST CHANGE

Parvovirus B 19 Antibody, IgM

0065122, PARVO M

Specimen Requirements:

Patient Preparation:

Collect: Serum ~~separator tube~~ Separator-Tube (SST).

Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum to an ARUP ~~standard transport tube~~ Standard-Transport Tube. (Min: 0.3 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens.

Transport Temperature: Refrigerated.

Unacceptable Conditions: Bacterially contaminated, heat-inactivated, hemolyzed, icteric, lipemic, or turbid specimens.

Remarks: Mark specimens plainly as "acute" or "convalescent."

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay
(ELISA)

Performed: Sun-Sat

Reported: 1-3 days

Note:

CPT Codes: 86747

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

The best evidence for current infection is a significant change on two appropriately timed specimens, where both tests are done in the same laboratory at the same time.

Appearance of an IgM antibody response normally occurs 7 to 14 days after the onset of disease. Testing immediately post-exposure is of no value without a later convalescent specimen. A residual IgM response may be distinguished from early IgM response to infection by testing sera from patients three to four weeks later for changing levels of specific IgM antibodies.

Component	Results	Interpretation
Parvovirus B19 Antibody, IgM	0.90 IV or less 0.90-1.10 IV 1.11 IV or greater	0.90 IV or less Negative; - No significant level of detectable Parvovirus B19 IgM antibody. 0.91-1.09 IV Equivocal; - Repeat testing in 7-21 days may be helpful. 1.10 IV or greater Positive; - IgM antibody to Parvovirus B19 detected, which may indicate a current or recent infection. However, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection.

Inserted Cells

Inserted Cells

Reference Interval:

Test Number	Components	Reference Interval
	Parvovirus B19 Antibody IgM	0.90 IV or less