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## Cytomegalovirus (CMV) Antibodies, IgM and IgG, Serum

**Test ID:** CMVP

**Explanation:**

Cytomegalovirus (CMV) Antibodies, IgM and IgG, Serum test will be obsolete on effective date due to a test platform change.

**Recommended Alternative Test:**

## Cytomegalovirus Antibody, IgM and IgG, Serum

**Test ID:** CMVAB

**Useful for:**

Aiding in determining the serological status to cytomegalovirus

**Methods:**

Electrochemiluminescence Immunoassay (ECLIA)

**Reference Values:**

CYTOMEGALOVIRUS IgM

Negative

CYTOMEGALOVIRUS IgG

Negative

Reference values apply to all ages.

**Profile Information**

Test ID	Reporting Name	Available Separately	Always Performed
CMVMS	CMV Ab, IgM, S	Yes	Yes
CMVGS	CMV Ab, IgG, S	Yes	Yes

**Specimen Requirements:**

**Supplies:** Sarstedt Aliquot Tube 5 mL (T914)

**Collection Container/Tube:**

**Preferred:** Serum gel

**Acceptable:** Red top

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 0.7 mL

**Minimum Volume:** 0.7mL

**Collection Instructions:** Centrifuge and aliquot serum into a plastic vial

### Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	7 days
	Frozen	90 days

### Cautions:

- Sera collected very early during the acute stage of infection may have undetectable levels of cytomegalovirus (CMV) IgM or IgG.
- Performance characteristics have not been evaluated in immunocompromised or immunosuppressed individuals. Immunocompromised patients may have impaired immune responses and nonreactive IgM and IgG results may be due to delayed seroconversion and, therefore, do not rule out current infection.
- The CMV IgM and IgG results should not be used alone to diagnose CMV infection. Results should be considered in conjunction with clinical presentation, patient history and other laboratory findings.
- The performance characteristics of these assays have not been evaluated or established for blood or plasma donors, cord blood, patients undergoing immunosuppressive therapy, patients with other disorders leading to immune suppression, or for testing of neonates.
- Immune complexes or other immunoglobulin aggregates present in patient specimens may cause increased nonspecific binding and produce false-positive results.
- Potential cross-reactivity for CMV IgM may occur with specimens positive for Epstein-Barr virus viral capsid antigen IgM. Potential cross-reactivity with autoimmune markers and antibodies against influenza vaccination could not be ruled out.
- Potential cross-reactivity for CMV IgG with varicella-zoster virus IgG, measles IgG, mumps IgG and parvovirus B19 IgG and could not be ruled out. The potential cross-reactivity with E. coli and autoimmune markers could not be ruled out.
- Samples should not be taken from patients receiving therapy with high biotin doses (ie, > 5 mg/day) until at least 8 hours following the last biotin administration.

### CPT Code:

86645-Cytomegalovirus IgM

86644-Cytomegalovirus IgG

**Day(s) Performed:** Monday through Saturday

**Report Available:** Same day/1 to 3 days

### Questions

Contact Dunisha Messmer, Laboratory Resource Coordinator at 800-533-1710.