



## CYTOMEGALOVIRUS (CMV) ANTIBODY

**Synonym(s):** CMV IgG Antibody, CMV IgG, CMV IgM Antibody, CMV IgM, CMV CFT (blood), CMV Total Antibody (blood)

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<b>Lab Section Category</b>	<b>Virology</b> Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/virology.aspx</a> ).
<b>Description</b>	Cytomegalovirus IgM Antibody (anti-CMV IgM)  Cytomegalovirus IgG Antibody (anti-CMV IgG)  Cytomegalovirus CF Total Antibody (anti-CMV total)
<b>Specimen Required</b>	3 – 5 mL plain blood.  (a) To diagnose acute infection, send acute sample for <b>CMV IgM Antibody</b> and second serum taken 14 days later for <b>CMV CF Total Antibody</b> on the pair.  (b) To diagnose previous infection, send single sample for <b>CMV IgG Antibody</b> .
<b>Storage and Transport</b>	Refrigerate samples if delay in transporting to laboratory is anticipated. <b>Do not freeze.</b>
<b>Method</b>	Anti-CMV IgM : Enzyme Immunoassay & Immunofluorescence assay  Anti-CMV IgG : Chemiluminescent Microplate Immunoassay  Anti-CMV total : Complement Fixation Test (CFT)
<b>Test Result</b>	<b>Acute infection:</b> IgM Ab positive and/or paired sera showing $\geq 4$ fold rise of CF Ab titres. Single sample having CF Ab titre $\geq 128$ is suggestive of a recent infection. Confirm by virus isolation.  <b>Previous (latent) infection:</b> CMV IgG present.

<b>Turnaround Time</b>	Anti-CMV IgM : <1 – 7 days (Negative report) <1 – 14 days (Positive / Equivocal report)  Anti-CMV IgG : <1 – 4 days  Anti-CMV total : 1 – 6 days
<b>Day(s) Test Set up</b>	Anti-CMV IgM : Monday Anti-CMV IgG : Tuesday and Friday Anti-CMV total : Tuesday and Thursday

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