

CYTOMEGALOVIRUS (CMV) QUANTITATIVE PCR (EDTA BLOOD)

Synonym(s):[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

Lab Section Category	Molecular Diagnostics - Microbiology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	For detection and quantification of CMV DNA in patient's plasma, as an adjunct for the diagnosis or prediction of CMV disease, i.e. from reactivation of latent disease in immunocompromised patients or in primary infection, or for monitoring treatment progress in CMV disease.
Specimen Required	5 mL of blood in EDTA (lavender top) tube. Alternatively, at least 3 mL plasma (separated from EDTA-treated or whole blood within 6 hours of collection by centrifugation at 800-1600g for 20 minutes at room temperature) in a sterile screw-capped polypropylene tube. Please note that sample types other than blood in EDTA or plasma have not been validated on this commercial system. Quantitation of CMV load in other sample types e.g. cerebrospinal fluid, aqueous/vitreous fluid, will be performed on our in-house quantitative assay. See CMV Quantitative PCR (Non-Blood).
Storage and Transport	Refrigerate sample at 2-8°C until transfer to laboratory. Do not freeze. Send sample at 2 - 8°C. Plasma may be transported at 2-8°C or frozen at ≤-20°C. Sample should reach the laboratory as soon as possible preferably within 6 hours after collection.
Method	Roche COBAS® AmpliPrep/COBAS® TaqMan CMV test
Test Result	Detected (quantity reported in copies/mL as well as IU/mL), Undetectable or Inconclusive. Linear Range: 150 - 10,000,000 copies/mL (2.18 - 7.00 log) 137 - 9,100,000 IU/mL (2.14 - 6.96 log)
Turnaround Time	4 days

Day(s) Test Set up	Monday to Friday (except public holidays)
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[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

Change History Notes

- **22 Jul 2014 04:39 PM**
New Test: Upgrading the existing in-house CMV quantitative test for all blood samples w.e.f. 24 July 2014.

- **29 Apr 2015 02:56 PM**
Day(s) Test Set-Up: Day(s) Test Set-Up has been last updated on 29/04/15.

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