MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: January 14, 2025
Effective Date: February 18, 2025

Cytomegalovirus (CMV) Molecular Detection, PCR, Lower Respiratory

Test ID: CMVLR; performed at Mayo Clinic Laboratories Florida.

Useful for:
Rapid qualitative detection of cytomegalovirus (CMV) DNA in lower respiratory specimens

Methods:
Real-Time Polymerase Chain Reaction (PCR)/DNA Probe Hybridization

Reference Values:
Negative
Reference values apply to all ages

Necessary Information:
Specimen source is required

Specimen Requirements:

Specimen Type:	Lower respiratory
Source:	Bronchial washing, bronchoalveolar lavage, fluid/washings from lung, sputum, tracheal secretions, tracheal aspirates.
Container/Tube:	
Preferred:	Sterile, screwcap, 5-mL aliquot tube
Acceptable:	Sterile container
Specimen Volume:	1 mL
Collection Instructions:	**Do not centrifuge**
Minimum Volume:	0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Varies	Refrigerated (preferred)	7 days
	Frozen	7 days

Cautions:

This test is **not intended** for the monitoring of CMV disease progression or response to therapy.
This test is not validated for lung tissue or biopsy specimens; it is only validated for the lower respiratory specimens indicated in Specimen Required.
Negative results do not preclude cytomegalovirus (CMV) infection and should not be used as the sole basis for treatment or other patient management decisions.
False-negative results may occur if the viral nucleic acid is present at a level below the analytical sensitivity of the assay, if the virus has genomic mutations, insertions, deletions, or rearrangements, or if the assay is performed very early in the course of illness.
The performance of this test has not been established for monitoring treatment of CMV infection.

CPT Code:

87496

Day(s) Performed: Monday through Saturday **Report Available:** Same day/1 to 3 days

Questions

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.