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## Cytomegalovirus (CMV), Molecular Detection, PCR, Varies

**Test ID:** LCMV

**Explanation:** This test code will become obsolete as testing transitions to a new performing laboratory within Mayo Clinic to streamline processes for molecular microbiology.

**Recommended Alternative Test:**

## Cytomegalovirus (CMV) Molecular Detection, PCR, Varies

**Test ID:** CMVPV

**Useful for:**

Rapid qualitative detection of cytomegalovirus (CMV) DNA

This test is not intended for the monitoring of CMV disease progression.

This test should not be used to screen asymptomatic patients.

**Methods:**

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

**Reference Values:**

Negative (Reference values apply to all ages)

**Specimen Requirements:**

Submit only 1 of the following specimens:

<b>Specimen Type:</b>	Body fluid
<b>Sources:</b>	Spinal, pleural, peritoneal, ascites, pericardial, amniotic, or ocular
<b>Supplies:</b>	Sarstedt Aliquot Tube, 5mL (T914)
<b>Container/Tube:</b>	<b>Preferred:</b> Sterile, screwcap, 5-mL aliquot tube <b>Acceptable:</b> Sterile container
<b>Specimen Volume:</b>	0.5 mL
<b>Collection Instructions:</b>	Do not centrifuge.

**Specimen Type:** Respiratory fluid

**Sources:** Bronchial washing, bronchoalveolar lavage, nasopharyngeal aspirate or washing, sputum, or tracheal aspirate

**Supplies:** Sarstedt Aliquot Tube, 5mL

**Container/Tube:** **Preferred:** Sterile, screwcap, 5-mL aliquot tube  
**Acceptable:** Sterile container

**Specimen Volume:** 1.5 mL

**Collection Instructions:** Do not centrifuge.

**Specimen Type:** Genital swab

**Sources:** Cervix, vagina, urethra, anal/rectal, or other genital sources

**Supplies:** Culturette (BBL Culture Swab) (T092)  
M4-RT (T605)  
Bartels FlexTrans VTM-3 mL (T892)  
Jiangsu VTM-3 mL (T891)

**Container/Tube:** Multimicrobe media (M4-RT) and ESwabs

**Collection instructions:** Place swab back into multimicrobe media (M4-RT, M4, or M5)

**Specimen Type:** Swab

**Sources:** Dermal, eye, nasal, saliva, or throat

**Supplies:** Culturette (BBL Culture Swab) (T092)  
M4-RT (T605)  
Bartels FlexTrans VTM-3 mL (T892)  
Jiangsu VTM-3 mL (T891)

**Container/Tube:** Multimicrobe media (M4-RT) and ESwabs

**Collection instructions:** Place swab back into multimicrobe media (M4-RT, M4, or M5)

**Specimen Type:** Tissue

**Sources:** Brain, colon, kidney, liver, lung, etc.

**Supplies:** M4-RT (T605)  
Bartels FlexTrans VTM-3 mL (T892)  
Jiangsu VTM-3 mL (T891)

**Container/Tube:** Sterile container containing 1 mL to 2 mL of sterile saline or multimicrobe medium (M4-RT, M4, or M5)

**Specimen Volume:** Entire collection

**Collection instructions:** Submit only fresh tissue in multimicrobe media (M4-RT) or a sterile container with 1 to 2 mL sterile saline

**Specimen Type:** Urine  
**Container/Tube:** Sterile container  
**Specimen Volume:** 1 mL

**Specimen Type:** Bone Marrow  
**Container/Tube:** Lavender top (EDTA)  
**Specimen Volume:** 0.5 mL  
**Collection instructions:** Send bone marrow in original tube. Do not aliquot.

**Specimen Stability Information:**

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

**Necessary Information:**

Specimen source is required.

**Cautions:**

A negative result does not eliminate the possibility of cytomegalovirus (CMV) infection.

This assay is only to be used for patients with a clinical history and symptoms consistent with CMV infection and must be interpreted in the context of the clinical picture.

**CPT Code:**

87496

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

**Report Available:** 1 to 4 days

**Questions**

Contact Dunisha Messmer or James Conn, Laboratory Technologist Resource Coordinator at 800-533-1710.