

## Epstein-Barr Virus (EBV), Molecular Detection, PCR, Varies

**Test ID:** EBVPV

**Useful for:**

Rapid qualitative detection of Epstein-Barr virus (EBV) DNA in specimens.

Diagnosis of disease due to EBV.

This test should not be used to screen asymptomatic patients.

**Methods:**

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>	Fluid
<b>Sources:</b>	Spinal fluid, sterile body fluids (peritoneal fluid/ascites, pericardial fluid, pleural fluid/thoracentesis), amniotic, or ocular
<b>Supplies:</b>	Sarstedt Aliquot Tube, 5 mL (T914)
<b>Preferred:</b>	Sterile screwcap 5-mL plastic vial
<b>Acceptable:</b>	Sterile container
<b>Specimen Volume:</b>	0.5 mL
<b>Collection Instructions:</b>	Do not centrifuge.
<b>Specimen Type:</b>	Fluid
<b>Sources:</b>	Respiratory; bronchial washing, bronchoalveolar lavage, nasopharyngeal aspirate or washing, sputum, or tracheal aspirate
<b>Supplies:</b>	Sarstedt Aliquot Tube, 5 mL (T914)
<b>Container/Tube:</b>	<b>Preferred:</b> Sterile screwcap 5-mL plastic vial <b>Acceptable:</b> Sterile container
<b>Specimen Volume:</b>	1.5 mL

**Specimen Type:** Swab

**Sources:** Eye and upper respiratory (nasal, 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:** Bone marrow

**Container/Tube:** Lavender top (EDTA) only

**Specimen Volume:** 0.5 mL

**Additional Information:** Clotted specimens will be rejected.

**Specimen Type:** Tissue

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

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

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

**Specimen Volume:** Entire collection

**Collection Instructions:** Submit only fresh tissue.

### 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 Epstein-Barr virus (EBV) infection of the central nervous system.

This assay may detect viremia or viral shedding in asymptomatic individuals. However, this assay is only to be used for patients with a clinical history and symptoms consistent with EBV infection and must be interpreted in the context of the clinical picture.

**CPT Code:**

87798

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

**Report Available:** 1 to 4 days

**Questions**

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