

LAB ALERT – NEW TEST**NOTIFICATION DATE: 10/30/2013****EFFECTIVE DATE: 11/19/2013****Epstein-Barr Virus (EBV) Qualitative by PCR, Non Blood****TEST CODE:** EBVNBL**INTERFACE CODE:** 1004206**TEST CODES/
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TO BE
DEACTIVATED:** EBVNB/1000281; EBMOL/1002498**METHODOLOGY:** Qualitative Real-Time Polymerase Chain Reaction (PCR)**CLINICAL UTILITY:** Primary Epstein-Barr virus (EBV) infection is very common childhood infection with estimated 70-90% seropositivity rate by age of 10 years. EBV targets B lymphocytes resulting in infectious mononucleosis, a benign lymphoproliferative condition which presents with fever, fatigue, sore throat, and lymphadenopathy. Usually, infection in children is asymptomatic or mild and may be associated with minor illnesses such as upper respiratory tract infection, pharyngitis, tonsillitis, bronchitis, and otitis media. Immunocompromised patients, such as transplant or AIDS populations are at risk for acute EBV infection. EBV-associated central nervous system disease is also most commonly associated with primary CNS lymphoma in patients with AIDS. Molecular testing for EBV can assist in early diagnosis of infectious mononucleosis when serology testing is inconclusive. Detection of EBV in CSF supports the clinical diagnosis of CNS disease due to this virus.**PERFORMED:** Monday-Wednesday-Friday**COLLECTION:** CSF (Cerebrospinal Fluid); Body Fluids (Amniotic Fluid, Ocular); Bone Marrow in a lavender top EDTA tube; Upper respiratory specimens (nasal/throat specimens using polyester-tipped, Dacron or rayon-tipped collection swabs with plastic shafts) in M4 or M5 Viral Transport Media; Lower respiratory specimens (BAL, bronchial washings, tracheal secretions) in M4 or M5 Viral Transport Media; or Tissue.

Specimen preparation:

Submit 2 mL Bone Marrow (Min. 0.5 mL) in Lavender-top EDTA tube.
Submit 1 mL CSF (Min. 0.5 mL), Body Fluid (Min. 2 mL) in a sterile plastic screw capped container or tube. Submit respiratory specimens in M4 or M5 transport. Do not centrifuge any specimen type.

Submit Fresh and Frozen Tissue in sterile container. Fresh tissue must be put in RPMI media. Frozen tissue must be in OCT compound. Submit Paraffin embedded Tissue in sterile biohazard plastic bag. Submit slides in slide holder.

STABILITY (FROM COLLECTION TO INITIATION OF TESTING):

Bone Marrow: Ambient: 8 hours; Refrigerated: 5 days; Frozen: Unacceptable. CSF, Body Fluids: Ambient: 8 hours; Refrigerated: 5 days; Frozen: 1 month

Paraffin Embedded Tissue: Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Unacceptable
Fresh Tissue: Refrigerated: 24 hours; Frozen: 3 months

TRANSPORT:

Bone Marrow, CSF, Body Fluid, Respiratory or Fresh Tissue: Refrigerated
Frozen Tissue: Frozen
Paraffin Embedded Tissue: Ambient or on ice pack in summer
Slides: Ambient

REFERENCE RANGE: Target Not Detected (TND)

RESULTS REPORTED: 1-4 days

CPT CODE: 87798

PERFORMING LAB: med fusion

ORDER/CONTACT INFORMATION: *ClearPoint Client Services: 972-966-7700 | Fax: 972-966-7799*