



TECHNICAL NOTICE

SOUTH BEND MEDICAL FOUNDATION, INC.

Epstein Barr Virus (EBV) by PCR

Effective Date: July 1, 2011

Performing Department: Molecular Pathology

Clinical Significance: Epstein-Barr virus (EBV) is a human herpesvirus included in the Gammaherpesvirinae subfamily. Infecting approximately 90% of the world's population, this silent infection often goes undetected. Although most of primary EBV infections are asymptomatic, it causes acute symptomatology in neonates and immunocompromised adults. The virus is the causative agent of infectious mononucleosis and chronic infection of EBV is associated with the development of several lymphomas. Although measurement of EBV viral load has been increasingly used to assess disease status, universally accepted EBV standard reference material is not available. Because of this, numerical results of this test will not be directly comparable with results obtained from other laboratories /methods and cannot be interpreted interchangeably.

Method: real time polymerase chain reaction (Real time PCR)

Use: Assess and monitor EBV associated diseases

Reference Range: Not detected

Specimen Requirements and Collection:

Specimen: serum, EDTA whole blood or plasma or CSF

Preferred Volume: 5mL

Minimum Volume: .05 mL

Storage: 2-8° C

Transport: Spin blood specimens and remove serum or plasma before transporting. Transport at 2-8° C

Causes for Rejection: Frozen whole blood

Stability: Ambient: 8 hours, Refrigerated: 3 days, Frozen: 1 year for serum/ plasma/ CSF

Testing Schedule: Tuesday

Order: Epstein-Barr Virus, Quantitative, by PCR..... Test #: 36031..... CPT: • 87799

Epstein-Barr Virus, Qualitative, by PCR.....Test# : 36030.....CPT: • 87798

For additional information contact Deborah H. Sun, Ph.D. (dsun@sbfm.org) or Kevin Maggert, Sr. Technologist Flow Cytometry/ Molecular Pathology (kmaggert@sbfm.org) at South Bend Medical Foundation, (574) 234-4176 or (800) 544-0925.

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