
Lab Dept: Microbiology/Virology

Test Name: EBV DNA DETECTION BY PCR

General Information

Lab Order Codes: EBPC

Synonyms: Epstein-Barr Virus DNA Detection by Polymerase Chain Reaction, Quantitative Blood

CPT Codes: 87799 – Infectious agent detection by nucleic acid, quantification, each organism

Test Includes: Detection of EBV, reported as Undetected or in IU/mL.

Logistics

Test Indications: Diagnosis of posttransplant lymphoproliferative disorders (PTLD), especially in EBV-seronegative organ transplant recipients receiving antilymphocyte globulin for induction immunosuppression and OKT-3 treatment for early organ rejection.

Monitoring progression of EVG-associated PTLN in organ transplant recipients.

Lab Testing Sections: Microbiology/Virology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: EBVQN)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Lavender top (EDTA) tube

Draw Volume: 4.5 mL (Minimum: 2.4 mL) blood

Processed Volume:	1.5 mL (Minimum: 0.8 mL) plasma
Collection:	Routine blood collection
Special Processing:	Lab Staff: Centrifuge specimen and remove plasma aliquot into a screw-capped plastic vial. Store and ship at frozen temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Undetected
Critical Values:	N/A
Limitations:	Reportable range: 100 - 5,000,000 IU/mL
Methodology:	Real-Time Polymerase Chain Reaction (PCR) followed by Minor Groove-Binding (MGB) Probe Hybridization PCR is utilized pursuant to a license agreement with Roche Molecular Systems, Inc.
References:	Mayo Medical Laboratories Web Page July 2021
Updates:	3/4/2004: Test moved from Lab Corp (Viromed) to Mayo Medical Laboratories. 3/11/2005: Interpretation info added to reference range field. 4/12/2018: Updated method and changed from whole blood to plasma. 7/28/2021: Updated Mayo order code.