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 PTLD 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

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## 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](https://www.mayoclinic.org) July 2021

**Updates:**
- 3/4/2004: Test moved from Lab Corp (Viromed) to Mayo Medical Laboratories.
- 4/12/2018: Updated method and changed from whole blood to plasma.
- 7/28/2021: Updated Mayo order code.