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**Lab Dept:** Microbiology/Virology

**Test Name:** EBV DNA DETECTION BY PCR

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***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.

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***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: EBVQU)

**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

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***Specimen***

**Specimen Type:** Blood

**Container:** Lavender top (EDTA) tube

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

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

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### ***Interpretive***

<b>Reference Range:</b>	Undetected
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Reportable range: 100 - 5,000,000 IU/mL
<b>Methodology:</b>	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.
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> April 2018
<b>Updates:</b>	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.