

BK Virus DNA Detection and Quantification, Plasma

Test ID: PBKQN

Useful for:

Detection and serial monitoring of BV virus-associated nephropathy in kidney transplant recipients, and/or hemorrhagic cystitis in organ transplant recipients

Methods:

Real-Time Polymerase Chain Reaction (rtPCR)

Reference Values:

Undetected

Specimen Requirements:

Container/Tube: Lavender top (EDTA)

Submission container: Plastic vial / Aliquot Tube, 5 mL (T465)

Specimen Volume: 1.5 mL

Collection Instructions:

1. Centrifuge blood collection tube per manufacturer's instructions (eg, centrifuge within 2 hours of collection for BD Vacutainer tubes).
2. Aliquot plasma into plastic vial.

Minimum Volume: 0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma EDTA	Frozen (preferred)	84 days
	Refrigerated	6 days

Cautions:

Quantitative BKV DNA results in plasma tested with this assay can be up to 3-fold (about 1.0 log IU/mL) higher than those generated from the previous laboratory-developed BKV DNA quantification assay performed at Mayo Clinic Laboratories, due to differences in the specimen extraction method and design in the amplification primers and probes for the viral target sequences.

A single “Undetected” test result does not necessarily rule out the presence BKV infection or reactivation. Serial measurement (eg, once weekly) of BKV DNA in plasma is recommended to determine the BKV replication status in a given transplant recipient.

CPT Code:

87799

Day(s) Setup: Monday through Saturday **Analytic Time:** 1 day

Questions

Contact James Conn, Laboratory Technologist Resource Coordinator at 800-533-1710.