

Patient Name	: Mr MR.DUMMY	Sample Collected	: Apr 26, 2024, 01:00 PM.
DOB/Age/Gender	: 23 Y/Male	Report Date	: May 07, 2024,03:45 PM.
Patient ID / UHID	: 8052204/RCL7248803	Barcode No	: MD072035
Referred By	: Dr. X	Report Status	: Final Report
Sample Type	: Whole blood EDTA		

**BK Virus Quantitative, PCR**

TEST NAME	RESULT	LOG VALUE	UNIT
BK Virus (BKV) DNA PCR	Target Not Detected	N/A	Copies/ml

**INTERPRETATION:**

Result (Copies/ml)	Comment
Target Not Detected	BK virus DNA Not Detected
Below Detection Limit	BK virus DNA detected, but below the lower limit of linear range of the assay i.e. <100 Copies /ml
>100 - 10 <sup>10</sup>	BK virus DNA Detected within the linear range of the assay
Above 10 <sup>10</sup>	BK JC virus DNA Detected above the linear range of the assay
Indeterminate	Presence of inhibitors in the sample

**METHOD**

Real-Time Polymerase Chain Reaction (RT-PCR)- Quantitative

**USEFUL FOR**

Detection and quantification of BK virus Viremia

**BIOLOGICAL REFERENCE RANGE**


NOT DETECTED

**CLINICAL INFORMATION**


BK virus (BKV) is a circular, double-stranded DNA virus with an approximately 5 kilobase-size genome in the polyomavirus family, of which 13 members of the family are known, including the JC virus (JCV) and SV40. BKV shares about 75% of its DNA sequence with JCV. Nearly 80% of the adult population worldwide have antibodies to both viruses, indicating previous infection or exposure to these viruses. Initial infection with BKV is usually acquired in childhood, mostly asymptomatic or manifesting as a mild flu-like illness. After primary infection, BKV establishes latency in the kidney and bladder of the infected individual. In the setting of immunosuppression, the virus reactivates and begins to replicate, triggering renal tubular cell lysis and viruria.

**LIMITATION:**


1. PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen & inherent PCR inhibitors in the sample.
2. This test amplifies conserved nucleic acid sequence of live (active infection) as well as dead (on treatment) pathogens, test results to be correlated with all clinical and laboratory findings.
3. An interpretation of "Not Detected" does not rule out the presence of inhibitors or DNA concentration below the level of detection of the assay. Care should be taken in the interpretation of any single viral load determination.



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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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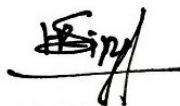
\*\*\* End Of Report \*\*\*

**Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.**

**Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.**



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