

Patient Name	: Mr MR.DUMMY	Sample Collected	: Apr 26, 2024, 01:00 PM.
DOB/Age/Gender	: 23 Y/Male	Report Date	: May 07, 2024,03:53 PM.
Patient ID / UHID	: 8052465/RCL7249074	Barcode No	: MD072091
Referred By	: Dr. X	Report Status	: Final Report
Sample Type	: CSF		

JC/BK Virus Quantitative, PCR

TEST NAME	RESULT	LOG VALUE	UNITS
BK Virus DNA PCR	Target Not Detected	N/A	Copies/ml
JC Virus DNA PCR	Target Not Detected	N/A	Copies/ml

INTERPRETATION:

Result (Copies/ml)	Comment
Target Not Detected	BK / JC virus DNA Not Detected
Below Detection Limit	BK / JC virus DNA detected, but below the lower limit of linear range of the assay I.e. <100 Copies /ml
>100 - 10 ¹⁰	BK / JC virus DNA Detected within the linear range of the assay
Above 10 ¹⁰	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 / JC virus Viremia

BIOLOGICAL REFERENCE RANGE

NOT DETECTED


CLINICAL INFORMATION

BK virus (BKV) and JC virus (JCV) are small, nonenveloped, double-stranded DNA viruses belonging to the Polyomaviridae family, which are ubiquitous in the human population. While the primary infection is usually asymptomatic, the virus remains latent in the kidneys and lymphoid organs. Latent infections can become active in immunosuppressed patients. Reactivation of BKV is most often seen in transplant patients and can lead to nephropathy, allograft loss, hemorrhagic cystitis, and urethral stenosis. Reactivation of JCV causes progressive multifocal leukoencephalopathy (PML), which is considered an AIDS-defining condition.


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.

*** End Of Report ***



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

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