



P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

NAME : Mrs. SUNITA
AGE/ GENDER : 52 YRS/FEMALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 12504214
CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE
CLIENT ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

PATIENT ID : 1585175
REG. NO./LAB NO. : 122408200004
REGISTRATION DATE : 20/Aug/2024 08:26 AM
COLLECTION DATE : 20/Aug/2024 02:06PM
REPORTING DATE : 21/Aug/2024 09:26AM

Test Name	Value	Unit	Biological Reference interval
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MOLECULAR PATHOLOGY

HUMAN IMMUNODEFICIENCY VIRUS (HIV) RNA QUANTITATIVE- RT PCR

HUMAN IMMUNODEFICIENCY (HIV) VIRUS RNA (QUANTITATIVE): UNDETECTABLE OR < IU/mL UNDETECTABLE OR < 50
EDTA PLASMA 30.0
by RT-PCR (REAL TIME-POLYMERASE CHAIN REACTION)
DETECTION LIMIT 30 IU/mL < 30.0
by RT-PCR (REAL TIME-POLYMERASE CHAIN REACTION)

INTERPRETATION:

RESULT	COMMENT
Not Detected / Negative	Sample provided does not contain HIV-1 RNA
Detected / Positive	Sample provided contain HIV-1 RNA

- 1.Human Immunodeficiency virus (HIV) is the causative agent of Acquired Immunodeficiency Syndrome (AIDS).
- 2.It is transmitted by sexual contact, infected blood or blood products or from mother to fetus.
- 3.Within 3-6 weeks of exposure to the virus high levels of viremia can be detected in peripheral blood followed by HIV specific immune response leading to a decline in plasma viremia after 4-6 weeks of the onset of symptoms.
- 4.Seroconverted individuals enter an asymptomatic phase that can last for years and show low level of viremia.
- 5.Quantitation of HIV viremia shows that higher virus levels maybe correlated with increased risk of clinical progression to AIDS.

METHODOLOGY:

Real Time PCR assay based on Taqman probes specific to the HIV genome was performed. Specific primers and Taqman Hybridization probes bind to the HIV genome in presence of HIV RNA, and produce a positive signal in specific channels which is accounted for by the Real Time PCR machine compare to PCR Also an Internal control based on Taqman probe is amplified in the same reaction to keep a check on the PCR Inhibition.


COMMENTS:


- 1.This test can quantitate HIV RNA over the range 50 IU/mL to 108 IU/mL. However this does not mean that lower copies or higher copies cannot be detected.
- 2.A negative result does not preclude the presence of HIV infection because results depend on adequate/proper patient sample storage and transportation, absence of inhibitors and sufficient RNA to be detected.
- 3.The result obtained via this test must always be correlated with clinical status and history of the patient and other relevant data and should not be used alone for the interpretation.

USES:

- 1.Measurement of HIV RNA (viral load) provides a direct assessment of viremia and should be used in conjunction with CD4+ T-cell counts. Viral load measurement is essential for treatment optimization and should be used to assess therapeutic response.
- 2.This test is used in conjunction with other laboratory markers of disease for clinical management of HIV-1 infected patients
- 3.Assess prognosis of the disease
- 4.Monitor effects of Anti -retroviral therapy




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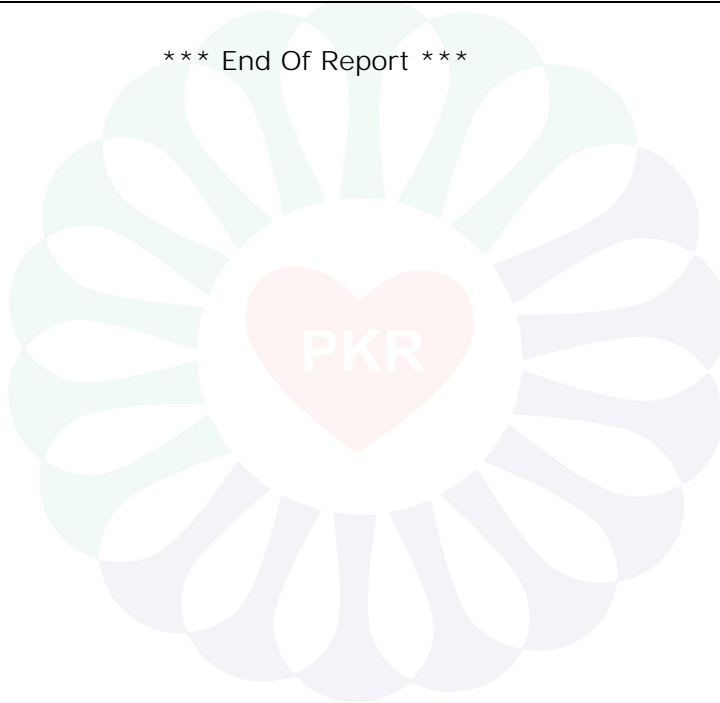
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*** End Of Report ***




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