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CLINICAL LABORATORY REPORT

Name	Mrs. NADA ISHAG	Registration No	478627
Age/Sex	43 Years/Female	Sample Drawn At	2010-10-21 11:15:20
Collection Centre	INAPHYD95032	Sample Accepted At	2010-10-21 20:32:18
Referral Doctor	P.RAMA DEVI	Sample Reported At	2010-10-27 17:46:43
Referral Hospital	RAMAS FERTILITY.		

MOLECULAR BIOLOGY

INVESTIGATION	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
HIV 1 RNA PCR - Viral Load	1300 Copies/ ml		

SampleType: PLASMA EDTA

Method:REAL TIME PCR

Technology:
In this assay/test, the presence of HIV-RNA is determined by Real Time Polymerase Chain Reaction. It involves the reverse transcription & specific amplification of the Pol gene of HIV 1 genome. This analysis is done on Light Cycler 2 (Roche) by using the highly sensitive & specific probe based assay. The taqman probes are used for Fluorescent detection or only target sequence specific amplicons generated during PCR. Amplified products are indicated by Critical point Cycle (Cp) in amplification Curve.

Interpretation:
Viral RNA is converted into cDNA and double stranded DNA was amplified, the values are compared in the Real Time & quantified against a set of known standards. The amplified product is detected via fluorescent dyes (Taqman chemistry). Fluorescent dyes were linked to oligonucleotide probes which bind specifically to the specific sequence between and forward and reverse primer designed specifically to the Pol gene of the HIV 1 genome. Monitoring the fluorescence intensities during the PCR Run (i.e. in Real Time) allows detection & quantitation of the accumulating product. These analytical detection limit of the test is 50 copies/ml in the given sample. The primer and probe designs ensure that all M subtypes of HIV 1 are detected. There is no cross reactivity with any other known pathogenic virus.

*** END OF THE REPORT ***

U Mehatha
Lab In Charge

Dr Raja Vojjala
MD Pathology

172902

REPORT

geneOmbio Technologies Private Limited, Krishna Chamber 4th Floor, Pashan-Sus Road, Pashan, Pune-411021, Maharashtra, India.
Tel: 020-41295151, e-mail: info@geneombiotech.com

HIV-1 Real Time Quantitative PCR Report

Name of the patient	: Mrs. Nada Ishq	**Date**	: 16th December 2010
Age	: - years	**Gender**	: Female
Referred by	: Dr. Srinivas	**Lab Code**	: HYD-10/4491
Sample received on	: 15th December 2010	**Assay Code**	: GBL-04

Name of the assay : HIV-1 Real Time Quantitative PCR
Type of sample : Plasma

RESULT : **Below Detection Limit**

Comment :
Linear range of detection : 50 – 1000000 HIV-1 RNA copies/mL.

The assay is for HIV-I RNA quantitation by reverse transcriptase real time polymerase chain reaction on Applied Biosystems Real Time PCR platform.

This viral load assay is generally performed when a patient is first diagnosed with HIV-I. The test result functions as a baseline measurement that shows how actively the virus is reproducing and whether treatment is immediately necessary. For patients already in ART, it is also used to monitor the efficacy of the anti retroviral drugs and possible emergence of drug resistance.

This test is intended for use as an aid in management of HIV-I infected patients and is not intended for use in the initial diagnosis of HIV-I infection

Umakant Mahajan MDS In-Charge Contact: 09960000984	Dr. Pratap N. Mukhopadhyaya (Ph.D) CEO and Head R & D Operations Contact: 09730073423

-End of the report-

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