LABORATORY REPORT

Redcliffe labs

Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052377/RCL7248900	Report Date	: May 25, 2024, 04:49 PM.
Referred By	: Dr. Dr. X	Barcode No	: SA041576
Sample Type	: Whole blood EDTA	Report Status	: Final Report

HIV 1 Monitor Panel

CD3, CD4 & CD8 By Flowcytometry

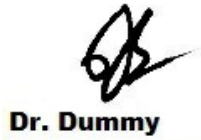
Test Description	Value(s)	Unit(s)	Reference Range
Absolute Lymphocyte Count *Flow Cytometry*	4100	Cells/µL	1200 - 4100
CD3 (Total T cells) *Flow Cytometry*	76	%	45 - 76
Absolute CD3 *Flow Cytometry*	3000	Cells/µL	780 - 3000
CD4 (Helper T cells) *Flow Cytometry*	50	%	30 - 50
Absolute CD4 *Flow Cytometry*	2000	Cells/µL	500 - 2000
CD8 (Suppressor T cells) *Flow Cytometry*	35	%	10 - 35
Absolute CD8 *Flow Cytometry*	1200	Cells/µL	200 - 1200
CD4/CD8 ratio *Flow Cytometry*	3	Cells/µL	1.0 - 3.0

Interpretation:
Instrument Name / Software- BD FACS Lyric / BD FACS Suite Clinical

Gating Strategy-CD45 vs SSC

Clinical Uses
1. Monitoring T cell status of individuals
2. Predicting prognosis,initiating & monitoring Antiviral therapy in HIV infected individuals
3. Initiating Antimicrobial therapy against opportunistic infections in immunodeficient individuals

Note: All investigations have their limitations which are influenced by the limits of sensitivity and specificity of individual assay procedures. The quality of the specimen received by the lab also has an effect on test results. Isolated laboratory investigations never confirm the final diagnosis of the disease. They only help in arriving at a diagnosis in conjunction with clinical presentation and other related investigations. Please correlate clinically and with results of other investigations performed.



Dr. Dummy

LABORATORY REPORT

Redcliffe labs

Patient Name	: **Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM.
Patient ID / UHID	: 8052377/RCL7248900	Report Date	: May 07, 2024, 06:34 PM.
Referred By	: Dr. Dr. X	Barcode No	: MD071771
Sample Type	: EDTA Plasma$4	Report Status	: Final Report

HIV 1 Viral Load

Test Name	Result	Log Value (Log IU/mL)	Units
HIV-1 Viral load Quantitative	Target Not Detected	Not Applicable	IU/mL

Interpretation:

Results	Comments
Target Not Detected	HIV-1 RNA Not Detected
Below Detection Limit	HIV-1 RNA Detected, less than 70.6 IU/mL
70.6 IU/mL - 1,00,00,00,000 IU/mL	HIV-1 RNA Detected within the linear range of the assay
Above 1,00,00,00,000 IU/mL	HIV-1 RNA Detected above the linear range of the assay

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

Biological Reference Range: Not Detected

Useful For: Diagnostics and aid to diagnosis or monitoring of HIV-1 infections

Clinical Background:
HIV (human immunodeficiency virus) is a virus that attacks cells that help the body fight infection, making a person more vulnerable to other infections and diseases. It is spread by contact with certain bodily fluids of a person with HIV, most commonly during unprotected sex or through sharing injection drug equipment. If left untreated, HIV can lead to the disease AIDS (acquired immunodeficiency syndrome)

Note :
1. 1 IU/mL corresponds to 0.55 copies/mL of HIV-1 RNA.
2. An interpretation of Not Detected does not rule out the presence of inhibitors or HIV-1 RNA concentration below the level of detection of the assay. Care should be taken in the interpretation of any single viral load determination.
3. The clinical significance of changes in HIV-1 RNA concentration has not been fully established; however, a change of 0.5 log IU/mL may be significant.
4. This assay should not be used for blood donor screening.

Limitation:
1. PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen and inherent PCR inhibitors in the sample.
2. The Not Detected result does not rule out the presence of inhibitors in the patient specimen or HIV-1 concentration below the level of detection of the test. Care should be taken when interpreting any single viral load determination.

Reference: https://www.hiv.gov/hiv-basics/overview/about-hiv-and-aids/what-are- hiv-and-aids/

*** 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.

Dr. Amit Singh
MD Microbiology
Consultant Microbiologist

Hemraj Singh
M.SC. (Biotechnology)
Section Head, Mol. & Infectious

Prof. Ashok Rattan
MD (Microbiology), MAMS.

Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

Terms and Conditions of Reporting

1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.

2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

3. It is to be noted that variations in results may occur between different laboratories and over time, even for the same parameter for the same Customer. The assays are performed and conducted in accordance with standard procedures, and the reported outcomes are contingent on the specific individual assay methods and equipment(s) used, as well as the quality of the received specimen.

4. This report shall not be deemed valid or admissible for any medico-legal purposes.

5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.