

Name	: Ms. Dummy	Age	: 22 Years
Lab No.	: Dummy262	Gender	: Female
Ref By	: SELF	Reported	: 3/5/2023 11:06:16PM
Collected	: 3/5/2023 10:11:00PM	Report Status	: Final
A/c Status	: P	Processed at	: LPL-NATIONAL REFERENCE LAB
Collected at	: LPL-ROHINI (NATIONAL REFERENCE LAB) National Reference laboratory, Block E, Sector 18, ROHINI DELHI 110085		: National Reference laboratory, Block E, Sector 18, Rohini, New Delhi -110085

Test Report

Test Name	Results	Units	Bio. Ref. Interval
COMPLEMENT TOTAL (CH50) (Automated Liposome Lysis Assay)	42.00	U/mL	41.68 - 95.06

Comment:

The total complement (CH50) assay is first tier screening assay when a disorder of complement is suspected. This test assesses the classical complement pathway including early components that activate the pathway in response to immune complexes (C1q, C2 and C4), as well as the terminal complement components (C3, C5, C6, C7, C8, C9) involved in the formation of the membrane attack complex (MAC). The CH50 assay will be abnormal if there are specific hereditary or acquired C1-C9 complement component deficiencies or if there is consumption of complement due to immune (or autoimmune) complexes.

Low levels of total complement (total hemolytic complement) may occur during infections, disease exacerbation in patients with Systemic Lupus Erythematosus (SLE), and in patients with immune complex diseases such as glomerulonephritis. Whereas, undetectable levels suggest the possibility of a complement component deficiency. Individual complement component assays are useful to identify the specific deficiency.

Decreased levels:

Genetic deficiency, Liver disease, Chronic Glomerulonephritis, Rheumatoid Arthritis, Hemolytic Anemias, Graft rejection, SLE, Acute Glomerulonephritis, Subacute Bacterial Endocarditis and Cryoglobulinemia.

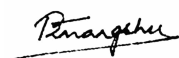
Elevated levels:

Acute inflammatory conditions, Leukemia, Hodgkin's Disease, Sarcoma, and Behcet's Disease.

Usage

Detection of individuals with an ongoing immune process

First-tier screening test for congenital complement deficiencies



Dr Himangshu Mazumdar
MD, Biochemistry
Sr. Consultant Biochemist
NRL - Dr Lal PathLabs Ltd



Dr. Kamal Modi
MD, Biochemistry
Consultant Biochemist
NRL - Dr Lal PathLabs Ltd



Dr Nimmi Kansal
MD, Biochemistry
Technical Director - Clinical
Chemistry & Biochemical Genetics
NRL - Dr Lal PathLabs Ltd

-----End of report -----



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IMPORTANT INSTRUCTIONS

•Test results released pertain to the specimen submitted. •All test results are dependent on the quality of the sample received by the Laboratory. •Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician. •Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted. •Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting. •Test results may show interlaboratory variations. •The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s). •Test results are not valid for medico legal purposes. •This is computer generated medical diagnostic report that has been validated by Authorized Medical Practitioner /Doctor. •The report does not need physical signature.

(#) Sample drawn from outside source.

If Test results are alarming or unexpected, client is advised to contact the Customer Care immediately for possible remedial action.

Tel: +91-11-49885050, Fax: - +91-11-2788-2134, E-mail: lalpathlabs@lalpathlabs.com

National Reference lab, Delhi, a CAP (7171001) Accredited, ISO 9001:2015 (FS60411) & ISO 27001:2013 (616691) Certified laboratory.

