

DIAGNOSTIC REPORT



CLIENT CODE : C000021309

CLIENT'S NAME AND ADDRESS :
AMBICARE CLINICS & DIAGNOSTICS
2-91/68/HHA/8P, PLOT NO.8, 4TH FLOOR, HERIHARA ARCADE OPP.
BOTANICAL GARDEN, KONDAPUR,
OPP. BOTANICAL GARDEN, KONDAPUR,
HYDERABAD 500084
TELANGANA INDIA
040-23004080-17 9908393399

SRL LIMITED
PRIME SQUARE BUILDING,PLOT NO 1,GAIWADI INDUSTRIAL
ESTATE,S.V. ROAD,GOREGAON (W)
Mumbai, 400062
MAHARASHTRA, INDIA
Tel : 1-800-222-000,
CIN - U74899PB1995PLC045956
Email : connect@srl.in

PATIENT NAME : GIRI DEVANATHAN

PATIENT ID : **GIRIM091176111**

ACCESSION NO : **0111SE002156** AGE : 42 Years SEX : Male DATE OF BIRTH : 09/11/1976

DRAWN : 14/05/2019 11:20 RECEIVED : 14/05/2019 12:12 REPORTED : 15/05/2019 16:55

REFERRING DOCTOR : SELF

CLIENT PATIENT ID : 53021

Test Report Status	Final	Results	Biological Reference Interval	Units
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SPECIALISED CHEMISTRY - CARDIAC MARKER

HOMOCYSTEINE, SERUM/PLASMA

HOMOCYSTEINE	16.37	High	With folate supplementation < 12 Without folate supplementation < 15	µmol/L
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METHOD : CHEMILUMINESCENCE,COMPETITIVE IMMUNOASSAY

Interpretation(s)

HOMOCYSTEINE, SERUM/PLASMA-Homocysteine is an intermediary in the sulfur-amino acid metabolism pathways, linking the methionine cycle to the folate cycle. Inborn errors of metabolism that lead to homocysteinemia or homocysteinuria include cystathionine beta-synthase deficiency and various defects of methionine re-methylation. Genetic defects in vitamin cofactors (vitamin B6, B12, and folate) and nutritional deficiency of B12 and folate also lead to abnormal homocysteine accumulation. As Homocysteine is an indicator of acquired Folate or Vitamin B 12 deficiency, serum Folic acid or Vitamin B12 deficiency should be ruled out in case of abnormal homocysteine level.

Other factors that may influence and increase plasma homocysteine include:

Age, Smoking, poor diet/cofactor deficiencies, Chronic kidney disease/renal disease & Hypothyroidism

A high level of homocysteine makes a person more prone to endothelial injury, which leads to vascular inflammation, which in turn may lead to atherogenesis, which can result in ischemic injury. Abnormally high levels of homocysteine in the serum, above 15 µmol/L, is a medical condition called hyperhomocysteinemia which has been claimed to be a significant risk factor for the development of a wide range of diseases, include thrombosis, neuropsychiatric illness, and fractures.

Patients taking methotrexate, nicotinic acid, Theophylline, nitrous oxide, S-adenosyl-methionine and L-dopa can have falsely elevated serum HCY levels.

Heterophilic antibodies in human serum can react with reagent immunoglobulins, interfering with in vitro immunoassays. Patients routinely exposed to animals or to animal serum products can be prone to this interference and anomalous values may be observed.

SPECIALISED CHEMISTRY - HORMONE

* TESTOSTERONE, FREE/TOTAL, SERUM

TESTOSTERONE, TOTAL	246.67	Low	350.0 - 890.0	ng/dl
METHOD : CHEMILUMINESCENCE,COMPETITIVE IMMUNOASSAY				
TESTOSTERONE, FREE	22.07		15.0 - 50.0	pg/mL
METHOD : CHEMILUMINESCENCE IMMUNOASSAY				
% FREE TESTOSTERONE	0.89	High	0.18 - 0.68	%
METHOD : CALCULATED PARAMETER				

Interpretation(s)

TESTOSTERONE, FREE/TOTAL, SERUM-

Guideline for total testosterone biological reference range based on Tanner stage

Male Tanner stage Biological reference range (ng/dL)

Tanner stage I	< 20.0
Tanner stage II	< 7.0 - 149.0
Tanner stage III	7.0 - 762.0
Tanner stage IV	164.0 - 854.0
Tanner stage V	194.0 - 783.0

Female Tanner stage Biological reference range (ng/dL)

Tanner stage I	< 17.0
Tanner stage II	< 7.0 - 39.0

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Tanner stage III 10.0 – 60.0
Tanner stage IV 8.0 – 63.0
Tanner stage V 10.0 – 60.0

****End Of Report******TEST MARKED WITH '*' ARE OUTSIDE THE NABL ACCREDITED SCOPE OF THE LABORATORY.**

Dr. Kshama P, MD
Biochemist

CONDITIONS OF LABORATORY TESTING & REPORTING

1. It is presumed that the test sample belongs to the patient named or identified in the test requisition form.
2. All Tests are performed and reported as per the turnaround time stated in the SRL Directory of services (DOS).
3. SRL confirms that all tests have been performed or assayed with highest quality standards, clinical safety & technical integrity.
4. A requested test might not be performed if:
 - a. Specimen received is insufficient or inappropriate specimen quality is unsatisfactory
 - b. Incorrect specimen type
 - c. Request for testing is withdrawn by the ordering doctor or patient
 - d. There is a discrepancy between the label on the specimen container and the name on the test requisition form
5. The results of a laboratory test are dependent on the quality of the sample as well as the assay technology.
6. Result delays could be because of uncontrolled circumstances. e.g. assay run failure.
7. Tests parameters marked by asterisks are excluded from the "scope" of NABL accredited tests. (If laboratory is accredited).
8. Laboratory results should be correlated with clinical information to determine Final diagnosis.
9. Test results are not valid for Medico- legal purposes.
10. In case of queries or unexpected test results please call at SRL customer care (Toll free: 1800-222-000). Post proper investigation repeat analysis may be carried out.

SRL Limited

Fortis Hospital, Sector 62, Phase VIII,
Mohali 160062