

Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name Results Units Bio. Ref. Interval

SwasthFit Super 4

Hemoglobin	13.80	g/dL	13.00 - 17.00
Tiomoglobii.		9,	10.00 17.00
Packed Cell Volume (PCV)	40.90	%	40.00 - 50.00
RBC Count	5.16	mill/mm3	4.50 - 5.50
MCV	79.20	fL	83.00 - 101.00
MCH	26.60	pg	27.00 - 32.00
MCHC	33.60	g/dL	31.50 - 34.50
Red Cell Distribution Width (RDW)	14.80	%	11.60 - 14.00
Total Leukocyte Count (TLC)	7.20	thou/mm3	4.00 - 10.00
Differential Leucocyte Count (DLC)			
Segmented Neutrophils	59.50	%	40.00 - 80.00
Lymphocytes	27.70	%	20.00 - 40.00
Monocytes	9.10	%	2.00 - 10.00
Eosinophils	3.00	%	1.00 - 6.00
Basophils	0.70	%	<2.00
Absolute Leucocyte Count			
Neutrophils	4.28	thou/mm3	2.00 - 7.00
Lymphocytes	1.99	thou/mm3	1.00 - 3.00
Monocytes	0.66	thou/mm3	0.20 - 1.00
Eosinophils	0.22	thou/mm3	0.02 - 0.50
Basophils	0.05	thou/mm3	0.02 - 0.10
Platelet Count	290	thou/mm3	150.00 - 410.00
Mean Platelet Volume	7.3	fL	6.5 - 12.0

Note



Page 1 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name Results Units Bio. Ref. Interval

- As per the recommendation of International council for Standardization in Hematology, the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood
- 2. Test conducted on EDTA whole blood





Name : Mr. PURANJAY SINGH Lab No. : 435816023

Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

: 19 Years Age Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name	Results	Units	Bio. Ref. Interval
LIVER & KIDNEY PANEL, SERUM			
Creatinine (Modified jaffe, IDMS traceable)	0.97	mg/dL	0.70 - 1.30
GFR Estimated	115	mL/min/1.73m2	>59
GFR Category	G1		
Urea (Urease UV)	29.00	mg/dL	13.00 - 43.00
Urea Nitrogen Blood	13.54	mg/dL	6.00 - 20.00
BUN/Creatinine Ratio	14		
Uric Acid (Uricase/peroxidase)	4.90	mg/dL	3.50 - 7.20
AST (SGOT) (IFCC without P5P)	25.0	U/L	15.00 - 40.00
ALT (SGPT) (IFCC without P5P)	21.0	U/L	10.00 - 49.00
GGTP (IFCC)	10.0	U/L	0 - 73
Alkaline Phosphatase (ALP) (IFCC, AMP BUFFER)	70.00	U/L	48.00 - 261.00
Bilirubin Total (Oxidation)	0.83	mg/dL	0.30 - 1.20
Bilirubin Direct (Oxidation)	0.30	mg/dL	<0.30
Bilirubin Indirect (Calculated)	0.53	mg/dL	<1.10
Total Protein (Biuret)	7.10	g/dL	5.70 - 8.20
Albumin (BCG)	4.30	g/dL	3.20 - 4.80
A : G Ratio (Calculated)	1.54		0.90 - 2.00
Globulin(Calculated)	2.80	gm/dL	2.0 - 3.5
Calcium, Total (Arsenazo III)	9.80	mg/dL	8.70 - 10.40
			D 0 (40



Page 3 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name	Results	Units	Bio. Ref. Interval
Phosphorus	4.90	mg/dL	2.40 - 5.10
(Phosphomolybdate, UV)			
Sodium	137.00	mEq/L	136.00 - 145.00
(Indirect ISE)			
Potassium	4.62	mEq/L	3.50 - 5.10
(Indirect ISE)			
Chloride	102.00	mEq/L	98.00 - 107.00
(Indirect ISE)		·	

Note

- 1. Estimated GFR (eGFR) calculated using the 2021 CKD-EPI creatinine equation and GFR Category reported as per KDIGO guideline 2012.
- 2. eGFR category G1 or G2 does not fulfil the criteria for CKD, in the absence of evidence of kidney damage
- 3. The BUN-to-creatinine ratio is used to differentiate prerenal and postrenal azotemia from renal azotemia. Because of considerable variability, it should be used only as a rough guide. Normally, the BUN/creatinine ratio is about 10:1

LIPID SCREEN, SERUM (CHO-POD)			
Cholesterol, Total	123.00	mg/dL	<200.00
Triglycerides	77.00	mg/dL	<150.00
HDL Cholesterol	34.20	mg/dL	>40.00
LDL Cholesterol, Calculated	73.40	mg/dL	<100.00
VLDL Cholesterol,Calculated	15.40	mg/dL	<30.00
Non-HDL Cholesterol	89	mg/dL	<130

Interpretation

-	REMARKS	TOTAL CHOLESTEROL in mg/dL	TRIGLYCERIDE in mg/dL	LDL CHOLESTEROL in mg/dL	NON HDL CHOLESTEROL in mg/dL
	Optimal	<200	<150	<100	<130
	Above Optimal			100-129	130 - 159
	Borderline High	200-239	150-199	130-159	160 - 189



Page 4 of 10



Name ; Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

7	Test Name	l	Results	Units	Bio. Ref. Interval
	 High	>=240	200-499	160-189	190 - 219
	 Very High	-	>=500	>=190	>=220

Note

- 1. Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL& LDL Cholesterol.
- 2. NLA-2014 recommends a complete lipoprotein profile as the initial test for evaluating cholesterol.
- Friedewald equation to calculate LDL cholesterol is most accurate when Triglyceride level is < 400 mg/dL. Measurement of Direct LDL cholesterol is recommended when Triglyceride level is > 400 mg/dL
- 4. NLA-2014 identifies Non HDL Cholesterol(an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants)along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL &Non HDL.
- 5. Apolipoprotein B is an optional, secondary lipid target for treatment once LDL & Non HDL goals have been achieved
- 6. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement

Treatment Goals as per Lipid Association of India 2016

RISK	TREA	TMENT GOAL	CONSI	DER THERAPY
CATEGORY	LDL CHOLESTEROL (LDL-C)(mg/dL)	NON HDL CHLOESTEROL (NON HDL-C) (mg/dL)	LDL CHOLESTEROL (LDL-C)(mg/dL)	NON HDL CHLOESTEROL (NON HDL-C) (mg/dL)
Very High	<50 	<80	>=50	>=80
High	<70	<100	>=70	>=100
Moderate	<100	<130	>=100	>=130
Low	<100	<130	>=130*	>=160*

^{*}In low risk patient, consider therapy after an initial non-pharmacological intervention for at least 3 months



Page 5 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

%	4.00 - 5.60
3 mg/dL	L

Interpretation

HbA1c result is suggestive of non diabetic adults (>=18 years)/ well controlled Diabetes in a known Diabetic

Interpretation as per American Diabetes Association (ADA) Guidelines

	Reference Group	Non diabetic adults >=18 years	At risk (Prediabetes)	Diagnosing Diabetes	Therapeutic goals for glycemic control
ļ	HbA1c in %	4.0-5.6	5.7-6.4	>= 6.5	<7.0

Note: Presence of Hemoglobin variants and/or conditions that affect red cell turnover must be considered, particularly when the HbA1C result does not correlate with the patient's blood glucose levels.

!	TORS THAT INTERFERE WITH HbA1C ASUREMENT	FACTORS THAT AFFECT INTERPRETATION OF HBA1C RESULTS
hen mod (e. wit	moglobin variants,elevated fetal moglobin (HbF) and chemically dified derivatives of hemoglobin g. carbamylated Hb in patients the renal failure) can affect the curacy of HbA1c measurements	Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g., recovery from acute blood loss, hemolytic anemia, HbSS, HbCC, and HbSC) will falsely lower HbAlc test results regardless of the assay method used.Iron deficiency anemia is associated with higher HbAlc





Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years

Gender : Male

Reported : 6/4/2023 12:32:31PM Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name	Results	Units	Bio. Ref. Interval
GLUCOSE, FASTING (F), PLASMA (Hexokinase)			
Glucose Fasting	91.00	mg/dL	70.00 - 100.00

THYROID PROFILE,TOTAL, SERUM (Chemiluminescent Immunoassay)			
T3, Total	1.14	ng/mL	0.80 - 2.10
T4, Total	4.60	μg/dL	5.50 - 11.10
TSH	1.22	μIU/mL	0.70 - 6.40

Note

- 1. TSH levels are subject to circadian variation, reaching peak levels between 2 4.a.m. and at a minimum between 6-10 pm . The variation is of the order of 50% . hence time of the day has influence on the measured serum TSH concentrations.
- 2. Alteration in concentration of Thyroid hormone binding protein can profoundly affect Total T3 and/or Total T4 levels especially in pregnancy and in patients on steroid therapy.
- 3. Unbound fraction (Free,T4 /Free,T3) of thyroid hormone is biologically active form and correlate more closely with clinical status of the patient than total T4/T3 concentration
- 4. Values <0.03 uIU/mL need to be clinically correlated due to presence of a rare TSH variant in some individuals



Page 7 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : F

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years

Gender : Male

Reported : 6/4/2023 12:32:31PM Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name	Results	Units	Bio. Ref. Interval
VITAMIN B12; CYANOCOBALAMIN, SERUM	230.00	pg/mL	211.00 - 911.00
(CLIA)			

Notes

- 1. Interpretation of the result should be considered in relation to clinical circumstances.
- It is recommended to consider supplementary testing with plasma Methylmalonic acid (MMA) or
 plasma homocysteine levels to determine biochemical cobalamin deficiency in presence of clinical
 suspicion of deficiency but indeterminate levels. Homocysteine levels are more sensitive but MMA is
 more specific
- 3. False increase in Vitamin B12 levels may be observed in patients with intrinsic factor blocking antibodies, MMA measurement should be considered in such patients
- 4. The concentration of Vitamin B12 obtained with different assay methods cannot be used interchangeably due to differences in assay methods and reagent specificity

VITAMIN D, 25 - HYDROXY, SERUM	131.43	nmol/L	75.00 - 250.00
(Chemiluminescence)			

Interpretation

LEVEL 	REFERENCE RANGE IN nmol/L	COMMENTS
Deficient	< 50 	High risk for developing bone disease
Insufficient	50-74 	Vitamin D concentration which normalizes Parathyroid hormone concentration
Sufficient		Optimal concentration for maximal health benefit
Potential intoxication	>250 	 High risk for toxic

Note

- The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D.
- 25 (OH)D is influenced by sunlight, latitude, skin pigmentation, sunscreen use and hepatic function.
- Optimal calcium absorption requires vitamin D 25 (OH) levels exceeding 75 nmol/L.



Page 8 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years

Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name Results Units Bio. Ref. Interval

- It shows seasonal variation, with values being 40-50% lower in winter than in summer.
- Levels vary with age and are increased in pregnancy.
- A new test Vitamin D, Ultrasensitive by LC-MS/MS is also available

Comments

Vitamin D promotes absorption of calcium and phosphorus and mineralization of bones and teeth. Deficiency in children causes Rickets and in adults leads to Osteomalacia. It can also lead to Hypocalcemia and Tetany. Vitamin D status is best determined by measurement of 25 hydroxy vitamin D, as it is the major circulating form and has longer half life (2-3 weeks) than 1,25 Dihydroxy vitamin D (5-8 hrs).

Decreased Levels

- · Inadequate exposure to sunlight
- Dietary deficiency
- Vitamin D malabsorption
- · Severe Hepatocellular disease
- Drugs like Anticonvulsants
- Nephrotic syndrome

Increased levels

Vitamin D intoxication

Dr Parul Joshi MD, Pathology Chief of Laboratory Dr Lal PathLabs Ltd Dr Swati Singh MD, Pathology Chief of Laboratory Dr Lal PathLabs Ltd

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



Page 9 of 10



Name : Mr. PURANJAY SINGH

Lab No. : 435816023 Ref By : SELF

Collected : 6/4/2023 8:24:00AM

A/c Status : P

Collected at : LPL-NOIDA HOME VISIT

NOIDA

Age : 19 Years

Gender : Male

Reported : 6/4/2023 12:32:31PM

Report Status : Final

Processed at : LPL-NOIDA LAB

N-27, SECTOR-18, NOIDA - 201301



Test Report

Test Name Results Units Bio. Ref. Interval



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



Page 10 of 10