

L51 - USHAKIRAN MEDICOS PVT LTD
 8 Dinesh Pally Bansdronei Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
A/c Status	: P	Ref By : Dr.S. CHATTERJEE	Report Status : Final

Test Name	Results	Units	Bio. Ref. Interval
-----------	---------	-------	--------------------

SwasthFit Super 2

COMPLETE BLOOD COUNT;CBC (Electrical Impedance & VCS)			
Hemoglobin	11.90	g/dL	12.00 - 15.00
Packed Cell Volume (PCV)	37.30	%	36.00 - 46.00
RBC Count	4.26	mill/mm3	3.80 - 4.80
MCV	87.50	fL	83.00 - 101.00
MCH	27.90	pg	27.00 - 32.00
MCHC	31.90	g/dL	31.50 - 34.50
Red Cell Distribution Width (RDW)	14.50	%	11.60 - 14.00
Total Leukocyte Count (TLC)	5.50	thou/mm3	4.00 - 10.00
Differential Leucocyte Count (DLC)			
Segmented Neutrophils	47.20	%	40.00 - 80.00
Lymphocytes	46.50	%	20.00 - 40.00
Monocytes	4.20	%	2.00 - 10.00
Eosinophils	1.60	%	1.00 - 6.00
Basophils	0.50	%	<2.00
Absolute Leucocyte Count			
Neutrophils	2.60	thou/mm3	2.00 - 7.00
Lymphocytes	2.56	thou/mm3	1.00 - 3.00
Monocytes	0.23	thou/mm3	0.20 - 1.00
Eosinophils	0.09	thou/mm3	0.02 - 0.50
Basophils	0.03	thou/mm3	0.02 - 0.10



L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
A/c Status	: P	Ref By : Dr.S. CHATTERJEE	Report Status : Final

Test Name	Results	Units	Bio. Ref. Interval
Platelet Count	278.0	thou/mm3	150.00 - 410.00
Mean Platelet Volume	8.2	fL	6.5 - 12.0

Note

- 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
- Test conducted on EDTA whole blood



L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL			Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female	Received	: 7/6/2021 10:08:53AM
				Reported	: 7/6/2021 6:00:07PM
A/c Status	: P	Ref By : Dr.S. CHATTERJEE		Report Status	: Final

Test Name	Results	Units	Bio. Ref. Interval
LIVER & KIDNEY PANEL, SERUM (Spectrophotometry, Indirect ISE)			
Bilirubin Total	0.34	mg/dL	<1.10
Bilirubin Direct	0.12	mg/dL	<0.20
Bilirubin Indirect	0.22	mg/dL	<1.10
AST (SGOT)	15	U/L	<32
ALT (SGPT)	10	U/L	<33
GGTP	11	U/L	<42.00
Alkaline Phosphatase (ALP)	48	U/L	<98
Total Protein	6.42	g/dL	6.40 - 8.30
Albumin	4.20	g/dL	3.97 - 4.94
A : G Ratio	1.89		0.90 - 2.00
Urea	16.00	mg/dL	15.00 - 40.00
Creatinine	0.60	mg/dL	<0.90



L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
		Received	: 7/6/2021 10:08:53AM
		Reported	: 7/6/2021 6:00:07PM
A/c Status	: P	Ref By : Dr.S. CHATTERJEE	Report Status : Final

Test Name	Results	Units	Bio. Ref. Interval
Uric Acid	3.30	mg/dL	2.4 - 5.7
Calcium, Total	9.07	mg/dL	8.6 - 10.0
Phosphorus	3.62	mg/dL	2.6 - 4.5
Sodium	141.90	mEq/L	136.00 - 145.00
Potassium	4.47	mEq/L	3.5 - 5.1
Chloride	106.30	mEq/L	97 - 107

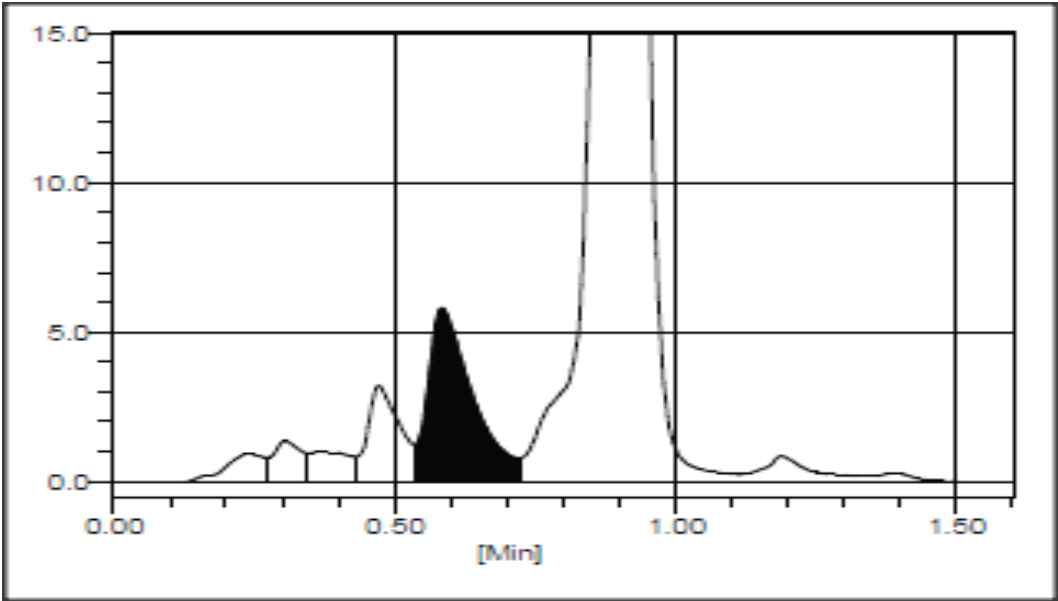


L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdrani Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL			Collected	: 7/6/2021 7:10:00AM	
Lab No.	: 310007121	Age: 40 Years	Gender: Female	Received	: 7/6/2021 10:08:53AM	
A/c Status	: P	Ref By: Dr.S. CHATTERJEE		Reported	: 7/6/2021 6:00:07PM	
				Report Status	: Final	

Test Name	Results	Units	Bio. Ref. Interval
HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD (HPLC)			
HbA1c	5.8	%	4.00 - 5.60
Estimated average glucose (eAG)	120	mg/dL	



Interpretation
HbA1c result is suggestive of at risk for Diabetes (Prediabetes)/ well controlled Diabetes in a known Diabetic

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.

FACTORS THAT INTERFERE WITH HbA1C MEASUREMENT	FACTORS THAT AFFECT INTERPRETATION OF HbA1C RESULTS
Hemoglobin variants, elevated fetal hemoglobin (HbF) and chemically modified derivatives of hemoglobin (e.g. carbamylated Hb in patients with renal failure) can affect the accuracy 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 HbA1c test results regardless of the assay method used. Iron deficiency anemia is associated with higher HbA1c



L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
		Received	: 7/6/2021 10:08:53AM
		Reported	: 7/6/2021 6:00:07PM
A/c Status	: P	Ref By : Dr.S. CHATTERJEE	Report Status : Final

Test Name	Results	Units	Bio. Ref. Interval
-----------	---------	-------	--------------------



L51 - USHAKIRAN MEDICOS PVT LTD
8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Received	: 7/6/2021 10:08:53AM
Age: 40 Years	Gender: Female	Reported	: 7/6/2021 6:00:07PM
A/c Status : P	Ref By : Dr.S. CHATTERJEE	Report Status	: Final

Test Name	Results	Units	Bio. Ref. Interval
GLUCOSE, FASTING (F), PLASMA (Hexokinase)	77.00	mg/dL	70.00 - 100.00



L51 - USHAKIRAN MEDICOS PVT LTD
 8 Dinesh Pally Bansdrani Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
A/c Status	: P	Ref By : Dr.S. CHATTERJEE	Report Status : Final
		Received	: 7/6/2021 10:08:53AM
		Reported	: 7/6/2021 6:00:07PM

Test Name	Results	Units	Bio. Ref. Interval
THYROID PROFILE,TOTAL, SERUM (ECLIA)			
T3, Total	0.99	ng/mL	0.80 - 2.00
T4, Total	6.03	µg/dL	5.10 - 14.10
TSH	2.08	µIU/mL	0.27 - 4.20

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

Interpretation

PREGNANCY	REFERENCE RANGE FOR TSH IN µIU/mL (As per American Thyroid Association)
1st Trimester	0.100 - 2.500
2nd Trimester	0.200 - 3.000
3rd Trimester	0.300- 3.000



L51 - USHAKIRAN MEDICOS PVT LTD
 8 Dinesh Pally Bansdrani Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Received	: 7/6/2021 10:08:53AM
Age: 40 Years	Gender: Female	Reported	: 7/6/2021 6:00:07PM
A/c Status : P	Ref By : Dr.S. CHATTERJEE	Report Status	: Final

Test Name	Results	Units	Bio. Ref. Interval
LIPID SCREEN, SERUM (CHO-POD)			
Cholesterol, Total	161.00	mg/dL	<200
Triglycerides	122.00	mg/dL	<150.00
HDL Cholesterol	50.10	mg/dL	>50
LDL Cholesterol, Calculated	86.50	mg/dL	<100.00
VLDL Cholesterol, Calculated	24.40	mg/dL	<30.00
Non-HDL Cholesterol	111	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
High	>=240	200-499	160-189	190 - 219
Very High	-	>=500	>=190	>=220

Note

- 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.
- NLA-2014 recommends a complete lipoprotein profile as the initial test for evaluating cholesterol.



L51 - USHAKIRAN MEDICOS PVT LTD
 8 Dinesh Pally Bansdroni Kolkata- 700070



Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Received	: 7/6/2021 10:08:53AM
Age: 40 Years	Gender: Female	Reported	: 7/6/2021 6:00:07PM
A/c Status : P	Ref By : Dr.S. CHATTERJEE	Report Status	: Final

Test Name	Results	Units	Bio. Ref. Interval
3. 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 CATEGORY	TREATMENT GOAL		CONSIDER THERAPY	
	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



L51 - USHAKIRAN MEDICOS PVT LTD
 8 Dinesh Pally Bansdroni Kolkata- 700070

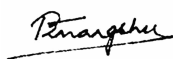


Name	: Mrs. MINAKSHI ALMAL	Collected	: 7/6/2021 7:10:00AM
Lab No.	: 310007121	Age: 40 Years	Gender: Female
		Received	: 7/6/2021 10:08:53AM
		Reported	: 7/6/2021 6:00:07PM
A/c Status	: P	Ref By :	Dr.S. CHATTERJEE
		Report Status	: Final

Test Name	Results	Units	Bio. Ref. Interval
-----------	---------	-------	--------------------



Dr. Anannya Ghosh
 MD, Biochemistry
 Consultant Biochemist



Dr Himangshu Mazumdar
 MD, Biochemistry
 Senior Consultant - Clinical Chemistry
 & Biochemical Genetics
 NRL - Dr Lal PathLabs Ltd



Dr Srijita Chaudhuri
 MD, Pathology
 Consultant Pathologist
 KRL - Dr Lal PathLabs Ltd

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

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.*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*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. *Contact customer care Tel No. +91-11-39885050 for all queries related to test results.
 (#) Sample drawn from outside source.

