

# LIFELINE LABORATORY

A Unit Of Dr Warbhe's Lifeline Laboratories Pvt Ltd, Nagpur  
Neeti-Gaurav Complex, 201-B-Wing, Lokmat Square, Ramdaspath, Nagpur  
TIME: 24x7 Service, Home Sample Collection Facility Available  
PHONE: 7410074440, 9552556405, 7558591111, (0712) 6686622-23,  
BRANCH: Ajit Aptt, Bus Stop Road, Medical Square, Nagpur, PH-9552556409

CONSULTANT PATHOLOGISTS  
Dr Anita Deshkar, MD-Path  
Dr Aparna Janai, DCP-Path  
Dr Smita Jamgade, MD-Path



Patient Name : MR. DORAB PATEL  
Patient ID : L-771  
Age/Sex : 66 YEARS / Male  
Ref By: : SELF

Registration Dt: 06-Jun-2025 09:34 AM  
Sampling Dt : 06-Jun-2025 09:34 AM  
Reporting Dt : 06-Jun-2025 04:45 PM  
Mobile No: : 9860197003

## COMPLETE BLOOD COUNT

Test Name	Value	Unit	Bio. Ref. Interval	Method
<b>Total WBC Count</b>	<b>12370</b>	/ cumm	4000-10000	Impedence
<b>Differential Leucocyte Count</b>				
Neutrophils	67	%	40-75	DHSS
Lymphocytes	24	%	20-45	DHSS
Eosinophils	2	%	1-6	DHSS
Monocytes	6	%	2-8	DHSS
Basophils	1	%	0-1	DHSS
<b>Haemoglobin(HB)</b>	<b>14.9</b>	<b>g/dl</b>	<b>14-17</b>	Spectrophotometry
<b>R.B.C. Count</b>	<b>5.20</b>	<b>x10<sup>6</sup>/cumm</b>	<b>4.5-6</b>	Impedence
HCT(PCV)	45.0	%	40-55	
MCV	86.5	fl	78-92	Calculated
MCH	28.6	pg	27-32	Calculated
MCHC	33.1	g/dl	32-36	Calculated
RDW	14.0	%	11-16	Calculated
Platelet Count	298	x 10 <sup>3</sup> /cmm	150-450	Impedence
MPV	10.1	fl	6-11	Calculated
PCT	0.3	%	0.15-0.5	Calculated
PDW	16.5	%	11-18	Calculated
P-LCC	81	10 <sup>3</sup> /μL	44-140	Calculated
P-LCR/Immature Plat Fraction	27.2	%	18-50	Calculated

Sample Type: Whole Blood

Testing Done On Fully Automated 5 Part Differential Cell Counter From Horiba-Japan

*Aparna Janai*

**Dr.Aparna Janai**  
**M.B.B.S.,D.C.P.**

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## BIOCHEMISTRY

Test Name	Value	Unit	Bio. Ref. Interval	Method	
Lipid Profile					
Cholesterol	260	mg/dL	130-200	Cholesterol Oxidase/Peroxidase	
Triglycerides	136	mg/dL	0-170	Glycerol Phosphate Oxidase/ Peroxidase	
HDL Cholesterol	38	mg/dL	30-70	Direct Detergent	
VLDL Cholestrol	27	mg/dL	10-35	Calculated	
LDL Cholesterol	195	mg/dL	Less than 130	Calculated	
Total Cholesterol/HDL Ratio	7	mg/dL	0-5.1	Calculated	
HDL/LDL Cholesterol Ratio	0.20		More than 0.3	Calculated	
Non HDL Cholesterol	222	mg/dL	Less than 130	Calculated	
Non HDL Cholestrol/VLDL Ratio	8.20			Calculated	
Risk factor in Coronary Heart Disease			Low Risk	Moderate Risk	High Risk
	Total Cholesterol		Upto 200	200-240	>240
	LDL-Cholesterol		Upto 130	130-160	>160
	Total Cho/HDL-Cho Ratio		Upto 5.1	5.1-8.0	>8.0

Note: Testing done on Fasting sample

Sample Type: Serum

Done on BioSystems BA 200 from Spain.

*Aparna Janai*

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## REPORT ON HAEMOGLOBIN A1c/HbA1c

Test Name	Value																								
Haemoglobin A1C/HbA1C	5.7 %																								
Referance Range	4.2 - 6.2 % : Normal 6.3 - 7.3 % : Good Diabetic Control 7.4 - 8.3 % : Fair Control More than 8.3 % : Poor Control																								
Method	Equipment Used For Testing    BIO RAD D10.																								
	<table><tr><th>HbA1c% range</th><th>Average blood sugar range for last 3 months(mg/dl)</th><th>HbA1c% Level</th><th>Average blood sugar for last 3 months (mg/dl)</th></tr><tr><td>4-6</td><td>60 to 120</td><td>10-11</td><td>240 to 270</td></tr><tr><td>6-7</td><td>120 to 150</td><td>11-12</td><td>270 to 300</td></tr><tr><td>7-8</td><td>150 to 180</td><td>12-13</td><td>300 to 330</td></tr><tr><td>8-9</td><td>180 to 210</td><td>13-14</td><td>330 to 360</td></tr><tr><td>9-10</td><td>210 to 240</td><td>&gt;14</td><td>&gt;360</td></tr></table>	HbA1c% range	Average blood sugar range for last 3 months(mg/dl)	HbA1c% Level	Average blood sugar for last 3 months (mg/dl)	4-6	60 to 120	10-11	240 to 270	6-7	120 to 150	11-12	270 to 300	7-8	150 to 180	12-13	300 to 330	8-9	180 to 210	13-14	330 to 360	9-10	210 to 240	>14	>360
HbA1c% range	Average blood sugar range for last 3 months(mg/dl)	HbA1c% Level	Average blood sugar for last 3 months (mg/dl)																						
4-6	60 to 120	10-11	240 to 270																						
6-7	120 to 150	11-12	270 to 300																						
7-8	150 to 180	12-13	300 to 330																						
8-9	180 to 210	13-14	330 to 360																						
9-10	210 to 240	>14	>360																						

### Remarks :

1. The HbA1c test shows your average blood sugar for last 3 months.  
2. The HbA1c test does not replace your day-to-day monitoring of blood glucose.  
Use this test result along with your test results to measure your overall control.  
How does HbA1c works?  
The HbA1c test measures the amount of sugar that attaches to protein in red blood cells.  
RBCs live for about 3 months, so this test shows average sugar level during this time.  
Greater the level of sugar & longer it is high, the more sugar that will attach to RBCs.  
Why is this test so important?  
Research studies demonstrated that the closer to normal your HbA1c level was, the less likely your risk of developing the long-term complications of diabetes. Such problem includes eye disease, nerve damage, heart and blood vessel disease and kidney problem.  
Who should have the HbA1c test done?  
Everyone with diabetes can benefit from taking this test. Knowing your HbA1c level helps you and your doctor decide if you need to change your management plan.  
How often should you have a HbA1c test?  
You should have this test done when you are first diagnosed with diabetes . Then at least twice a year if your treatment goals are being met & blood glucose control is stable. More frequent HbA1c testing (4 times/year) is recommended if your therapy has been recently changed or if you are not meeting your blood glucose management goals.  
Sample Type: Whole Blood

Testing done by HPLC Method (High Performance Liquid Chromatography) on D10, BipRad - USA

*Anita Deshkar*

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M.D.Path.

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Test Name	Value	Unit	Bio. Ref. Interval	Method
<b>Kidney Function Test</b>				
Blood Urea	22.0	mg/dL	15 - 45	Urease UV
Serum Creatinine	0.7	mg/dL	0.5-1.2	Enzymatic
*Serum Sodium	138	mmol/L	135-148	ISE-Direct
*Serum Potassium	4.6	mmol/L	3.50-5.0	ISE-Direct
eGFR, Estimated (MDRD)	119.9	ml/min/1.73m <sup>2</sup> >60		Calculated

Note: The NKDEP presently recommends reporting estimated GFR values greater than or equal to 60 ml/min/1.73 M<sup>2</sup> simply as  $\geq 60$ ML/Min/1.73 M<sup>2</sup> not an exact number.

Testing done on Fully Automated, Robotic Analyser, Dimension From Siemens-Germany  
Electrolyte Testing done by ISE Method (Ion Selective Electrode) on NULYTE Smart Electrolyte Analyzer.

Sample Type: Serum

*Anita Deshkar*

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## BIOCHEMISTRY

Test Name	Value	Unit	Bio. Ref. Interval	Method
<b>Liver Function Test</b>				
Bilirubin-Total	0.4	mg/dL	0.2-1.0	Diazotized Sulfanilic
Bilirubin - Direct	0.2	mg/dL	0-0.3	Dichlorophenyle Diazonium
Bilirubin - Indirect	0.2	mg/dL	0 to 1	Calculated
Total Proteins	7.0	g/dl	6-8	Biuret
Albumin	3.9	g/dl	3.4-5.0	Bromocresol Green
Globulin	3.1	g/dl	2.5-3.5	Calculated
A/G Ratio	1.3		0.8-2	Calculated
S G O T (AST)	12	U/L	0-40	IFCC without Pyrodoxal Phosphate
S G P T (ALT)	18	U/L	0-41	IFCC without Pyrodoxal Phosphate
Alkaline Phosphatase	74	IU/L	40-129	IFCC AMP
Sample Type: Serum				
Blood Urea	22	mg/dL	15-45	Urease UV
Blood Urea Nitrogen (BUN)	10	mg/dL	7-21	Calculated
Sample Type: Serum				
Uric Acid	5.3	mg/dL	3.4-7.0	Uricase/Peroxidase
Sample Type: Serum				
Ionic Calcium	1.13	mmol/l	1.12-1.32	ISE-Direct
Sample Type: Serum				
G G T P	32.0	U/L	15-85	IFCC
Sample Type: Serum				
Glucose- Fasting	109	mg/dL	70-110	GOD-POD
Sample Type: Fluoride Plasma				
Calcium Total	8.6	mg/dL	8.5-10.1	Arsenazo III
Sample Type: Serum				
Phosphorus	2.7	mg/dL	2.5-4.5	Phosphomolybdate
Sample Type: Serum				
Chloride	111	mmol/L	95-115	
Sample Type: Serum				

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## BIOCHEMISTRY

Test Name	Value	Unit	Bio. Ref. Interval	Method
Magnesium	2.0	mg/dL	1.6-2.6	Xylidyl Blue
Sample Type: Serum				
Amylase	70	U/L	22-80	Direct Substrate
Sample Type: Serum				
Lipase	48	U/L	13-60	DGGR
Sample Type: Serum				
RA Factor (Rheumatoid Factor)	3.0	IU/ml	0-20	
Sample Type: Serum				

Done on BioSystems BA 200 from Spain.

## HAEMATOLOGY

Test Name	Value	Unit	Bio. Ref. Interval	Method
Iron	98	ug/dl	70-180	Ferrozine
TIBC	291	ug/dl	240-450	Calculated
Transferrin Saturation(%)	34	%	20 - 50	Calculated

Sample Type: Serum

Done on BioSystems BA 200 from Spain.

Janai

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## VITAMIN ASSAY

Test Name	Value	Unit	Bio. Ref. Interval	Method
Vitamin B12	285	pg/ml	211-911	CMIA
Sample Type: Serum				
25 (OH) VITAMIN -D (Total)	27.9	ng/ml	Deficiency : <20 Insuficiency : 20 - < 30 Suficiency : 30 - 100	CMIA
Sample Type: Serum				

Done on Abbott Architect i1000SR Systems from Germany

## HORMONES

Test Name	Value	Unit	Bio. Ref. Interval	Method
T3	88.4	ng/dl	35-193	CMIA
T4	6.8	ug/dl	3.2-12.6	CMIA
TSH	1.7	mIU/ml	0.35-5.5	CMIA

Sample Type: Serum

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## Urine Analysis

Test Name	Value	Unit	Bio. Ref. Interval	Method
<b>Physical Examination</b>				
Appearance	Clear			
Colour	Pale Yellow			
Volume	25 ml			
Albumin	Nil			
<b>Chemical Examination</b>				
Sugar	Nil			
Ketone	Absent			
Blie Salt	Absent			
Bile Pigment	Absent			
Urobilinogen	Normal			
Nitrate	Negative			
Protein	Nil			
Billirubine	Nil			
pH	6.0		4.6-8.0	
Specific Gravity	1.010		1.000-1.030	
<b>Microscopic Examination</b>				
Pus cells / hpf	1 - 2			
Red Blood cells / hpf	Nil			
Epethelial cells / hpf	1 - 2			
Cast	Absent			
Crystals	Absent			
Amorphous Material	Absent			
Trichomonas Vaginalis	Absent			
Blood	Nil			

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## TUMOUR MARKER

Test Name	Value	Unit	Bio. Ref. Interval	Method
PSA - Prostate Specific Antigen (Total) : Sample Type: Serum	0.96	ng/ml	0.0-4.0	CMIA

*Done on Abbott Architect i1000SR Systems from Germany*

*Anita Deshkar*

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