

smart Health Report

An Insightful Health Analytics Report
for Easier Understanding



Prepared For

Mr Rathinavelu P

M 82

Name
Mr Rathinavelu P

Patient ID
12091766

Gender
M

Age
82

Health Summary



BLOOD COUNTS

Everything looks good



THYROID PROFILE

Everything looks good



LIPID PROFILE

Test Name	Result
LDL Cholesterol	118.6
Please Watchout	



DIABETES MONITORING

Test Name	Result
Glycosylated Hemoglobin (HbA1c)	6
Please Watchout	



KIDNEY PROFILE

Test Name	Result
Uric Acid	7.3
Please Watchout	



LIVER PROFILE

Everything looks good



ANEMIA STUDIES

Everything looks good



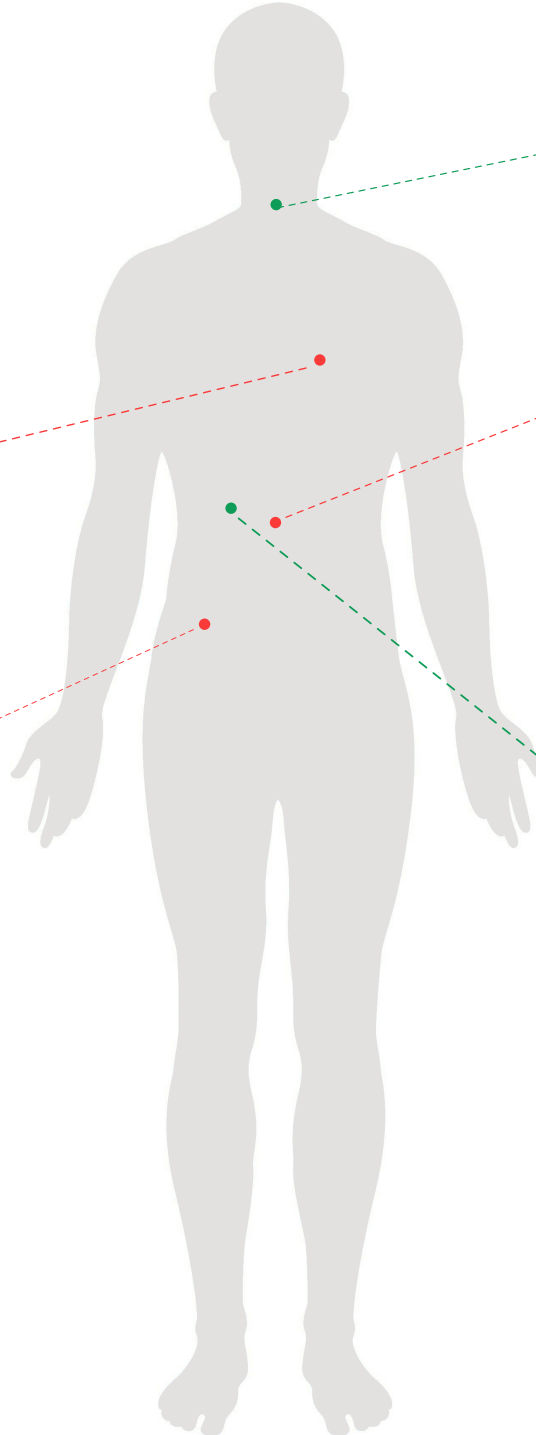
VITAMIN PROFILE

Everything looks good



MINERAL PROFILE

Test Name	Result
Calcium Serum	8.3
Please Watchout	



Patient NAME : Mr Rathinavelu P
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:25 AM

Report STATUS : Final Report
 Barcode NO : 26110706
 Sample Type : Whole blood EDTA
 Report Date : Apr 16, 2025, 04:49 PM.

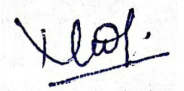


Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Fit India Full Body Checkup with Free Vitamin B12

Complete Blood Count (CBC)

RBC Parameters			
Hemoglobin <i>Spectrophotometry</i>	15.2	g/dL	13.0 - 17.0
RBC Count <i>Electrical impedance</i>	5	10 ⁶ /μl	4.5 - 5.5
PCV <i>Calculated</i>	45	%	40 - 50
MCV <i>Calculated</i>	89.1	fl	83 - 101
MCH <i>Calculated</i>	30.2	pg	27 - 32
MCHC <i>Calculated</i>	33.9	g/dL	31.5 - 34.5
RDW (CV) <i>Calculated</i>	14.6	%	11.6 - 14.0
RDW-SD <i>Calculated</i>	46.9	fl	35.1 - 43.9
WBC Parameters			
TLC <i>Electrical impedance and microscopy</i>	7.8	10 ³ /μl	4 - 10
Differential Leucocyte Count			
Neutrophils <i>Flow-cytometry DHSS</i>	49.1	%	40-80
Lymphocytes <i>Flow-cytometry DHSS</i>	37.3	%	20-40
Monocytes <i>Flow-cytometry DHSS</i>	8.2	%	2-10
Eosinophils <i>Flow-cytometry DHSS</i>	5	%	1-6
Basophils <i>Flow-cytometry DHSS</i>	0.4	%	<2
Absolute Leukocyte Counts <i>Calculated</i>			
Neutrophils.	3.83	10 ³ /μl	2 - 7
Lymphocytes. <i>Calculated</i>	2.91	10 ³ /μl	1 - 3
Monocytes. <i>Calculated</i>	0.64	10 ³ /μl	0.2 - 1.0
Eosinophils. <i>Calculated</i>	0.39	10 ³ /μl	0.02 - 0.5
Basophils.	0.03	10 ³ /μl	0.02 - 0.5



Dr. Bansal Noopur KalyanPrasad
 Consultant Pathologist
 Reg No. 162022





Booking Centre :- Home Collection
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout,
 Bangalore 560102

898-898-0606

care@redcliffelabs.com

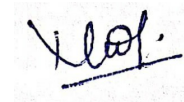
www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P	Report STATUS : Final Report		
DOB/Age/Gender : 82 Y/Male	Barcode NO : 26110706		
Patient ID / UHID : 12091766/RCL11382950	Sample Type : Whole blood EDTA		
Referred BY : Self	Report Date : Apr 16, 2025, 04:49 PM.		
Sample Collected : Apr 16, 2025, 08:25 AM			

Test Description	Value(s)	Unit(s)	Reference Range
<i>Calculated</i>			
Platelet Parameters			
Platelet Count <i>Electrical impedance and microscopy</i>	274	10 ³ /μl	150 - 410
Mean Platelet Volume (MPV) <i>Calculated</i>	9.5	fL	9.3 - 12.1
PCT <i>Calculated</i>	0.3	%	0.17 - 0.32
PDW <i>Calculated</i>	14.7	fL	8.3 - 25.0
P-LCR <i>Calculated</i>	31	%	18 - 50
P-LCC <i>Calculated</i>	85	10 ⁹ /L	44 - 140
Mentzer Index <i>Calculated</i>	17.82	%	-

Interpretation:
CBC provides information about red cells, white cells and platelets. Results are useful in the diagnosis of anemia, infections, leukemias, clotting disorders and many other medical conditions.



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection
Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout, Bangalore 560102

📞 898-898-0606 ✉ care@redcliffelabs.com 🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P	Report STATUS : Final Report		
DOB/Age/Gender : 82 Y/Male	Barcode NO : 26110706		
Patient ID / UHID : 12091766/RCL11382950	Sample Type : Whole blood EDTA		
Referred BY : Self	Report Date : Apr 16, 2025, 05:18 PM.		
Sample Collected : Apr 16, 2025, 08:25 AM			

Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

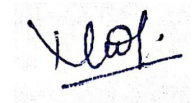
Erythrocyte Sedimentation Rate (ESR)

ESR - Erythrocyte Sedimentation Rate <i>MODIFIED WESTERGREIN</i>	4	mm/hr	0 - 30
---------------------------------------------------------------------	---	-------	--------

Interpretation:

ESR is also known as Erythrocyte Sedimentation Rate. An ESR test is used to assess inflammation in the body. Many conditions can cause an abnormal ESR, so an ESR test is typically used with other tests to diagnose and monitor different diseases. An elevated ESR may occur in inflammatory conditions including infection, rheumatoid arthritis, systemic vasculitis, anemia, multiple myeloma, etc. Low levels are typically seen in congestive heart failure, polycythemia, sickle cell anemia, hypo fibrinogenemia, etc.

Reference- Dacie and Lewis practical hematology



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

📞 898-898-0606

✉ care@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:25 AM

Report STATUS : Final Report
 Barcode NO : 26110706
 Sample Type : Whole blood EDTA
 Report Date : Apr 16, 2025, 06:16 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

HbA1C (Glycosylated Haemoglobin)

Glycosylated Hemoglobin (HbA1c) <i>HPLC</i>	6	%	<5.7
Estimated Average Glucose <i>calculated.</i>	125.5	mg/dL	-

Interpretation:

Interpretation For HbA1c% As per American Diabetes Association (ADA)

Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Age < 19 years Goal of therapy: <7.5

- Note:**
- Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled.
 - Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

Comments :

HbA1c provides an index of average blood glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations ADA criteria for correlation between HbA1c & Mean plasma glucose levels.

HbA1c(%)	Mean Plasma Glucose (mg/dL)	HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126	12	298
8	183	14	355
10	240	16	413

Dr. Bansal Noopur KalyanPrasad
 Consultant Pathologist
 Reg No. 162022



Booking Centre :- Home Collection
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout,
 Bangalore 560102

☎ 898-898-0606

✉ care@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P

DOB/Age/Gender : 82 Y/Male

Patient ID / UHID : 12091766/RCL11382950

Referred BY : Self

Sample Collected : Apr 16, 2025, 08:25 AM

Report STATUS : Final Report

Barcode NO : 26384951

Sample Type : FLUORIDE F

Report Date : Apr 16, 2025, 04:54 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Glucose Fasting

Glucose Fasting <i>Hexokinase</i>	92	mg/dL	70 - <100
--------------------------------------	----	-------	-----------

Interpretation:

Status	Fasting plasma glucose in mg/dL
Normal	<100
Impaired fasting glucose	100 - 125
Diabetes	=>126

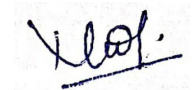
Reference : American Diabetes Association

Comment :

Blood glucose determinations are commonly used as an aid in the diagnosis and treatment of diabetes. Elevated glucose levels (hyperglycemia) may also occur with pancreatic neoplasm, hyperthyroidism, and adrenal cortical hyper function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin therapy, insulinoma, or various liver diseases.

Note

1. The diagnosis of Diabetes requires a fasting plasma glucose of $>$ or $=$ 126 mg/dL or a random / 2 hour plasma glucose value of $>$ or $=$ 200 mg/dL with symptoms of diabetes mellitus.
2. Very high glucose levels ($>$ 450 mg/dL in adults) may result in Diabetic Ketoacidosis.



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P

DOB/Age/Gender : 82 Y/Male

Patient ID / UHID : 12091766/RCL11382950

Referred BY : Self

Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report

Barcode NO : 26115150

Sample Type : Serum

Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Liver Function Test (LFT)

Bilirubin Total <i>diazonium salt</i>	1.02	mg/dL	0.2 - 1.2
Bilirubin Direct <i>Diazo Reaction</i>	0.4	mg/dL	0.0 - 0.5
Bilirubin Indirect <i>Calculation (T Bil - D Bil)</i>	0.62	mg/dL	0.1 - 1.0
SGOT/AST <i>Enzymatic {NADH (without P5P)}</i>	17	U/L	5 - 34
SGPT/ALT <i>Enzymatic {NADH (without P5P)}</i>	10	U/L	0 to 55
SGOT/SGPT Ratio <i>calculated</i>	1.7	-	-
Alkaline Phosphatase <i>paranitrophenyl phosphate</i>	72	U/L	40 - 150
Total Protein <i>Biuret</i>	7	g/dL	6.4 - 8.3
Albumin <i>BCG</i>	4.52	gm/dL	3.8 - 5.0
Globulin <i>Calculation (T.P - Albumin)</i>	2.48	g/dL	2.3 - 3.5
Albumin :Globulin Ratio <i>Calculation (Albumin/Globulin)</i>	1.82	-	1.0 - 2.1
Gamma Glutamyl Transferase (GGT) <i>Photometric</i>	17	U/L	12 - 64

Interpretation:

The liver filters blood, metabolizes nutrients, detoxifies harmful substances, and produces blood clotting proteins. Liver cells contain enzymes that facilitate these functions. When cells are damaged, enzymes leak into the blood, detectable through blood tests.

Key enzymes tested:

- 1. AST (SGOT):** may indicate tissue injury / damage in muscles or liver.
- 2. ALT (SGPT):** Primarily in the liver. Elevated ALT and AST suggest liver damage.
- 3. Alkaline Phosphatase & GGT:** Linked to bile production and flow. Elevated levels may indicate bile flow issues related to the liver, gallbladder, or bile ducts.

Blood proteins, **albumin and globulin**, are essential for growth, development, and health.

- 1. Low protein:** May indicate bleeding, liver disorders, malnutrition, or agammaglobulinemia.
- 2. High protein (Hyperproteinemia):** Often due to dehydration or increased protein production.
- 3. Low albumin:** Caused by poor diet, kidney, or liver disease.
- 4. High albumin:** Usually due to severe dehydration.



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report
 Barcode NO : 26115150
 Sample Type : Serum
 Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Kidney Function Test (KFT)

Blood Urea <i>Calculated</i>	19.046	mg/dL	18 - 55
Bun <i>Urease</i>	8.9	mg/dL	8.4 - 25.7
Creatinine <i>kinetic alkaline picrate</i>	0.81	mg/dL	0.72 - 1.25
eGFR (CKD-EPI)	88.00	ml/min/1.73 sq m	Normal Or High: >= 90 Mild Or Decrease: 60-89 Mild To Moderate Decrease: 45-59 Mild To Severe Decrease: 30-44 Severe Decrease: 15-29 Kidney Failure: < 15
Bun/Creatinine Ratio <i>calculated</i>	10.99		12 - 20
Urea / Creatinine Ratio <i>Calculated</i>	23.51		25.68- 42.8
Uric Acid <i>Uricase</i>	7.3	mg/dL	3.5 - 7.2
Calcium Serum <i>Arsenazo III</i>	8.3	mg/dL	8.8 - 10.0
Phosphorus <i>phosphomolybdate.</i>	4.2	mg/dL	2.3 - 4.7
Sodium <i>Ion selective Electrode-Indirect.</i>	140	mmol/L	136 - 145
Potassium <i>Ion selective Electrode-Indirect.</i>	3.9	mmol/L	3.5 - 5.1
Chloride <i>Ion selective Electrode-Indirect.</i>	104	mmol/L	98 - 107

Interpretation:

Kidney function tests is a collective term for a variety of individual tests and procedures that can be done to evaluate how well the kidneys are functioning. Many conditions can affect the ability of the kidneys to carry out their vital functions. Some lead to a rapid (acute) decline in kidney function others lead to a gradual (chronic) decline in function. Both result in a buildup of toxic waste substances done on urine samples, as well as on blood samples. A number of symptoms may indicate a problem with your kidneys. These include : high blood pressure, blood in urine frequent urges to urinate, difficulty beginning urination, painful urination, swelling in the hands and feet due to a buildup of fluids in the body. A single symptom may not mean something serious. However, when occurring simultaneously, these symptoms suggest that your kidneys are not working properly. Kidney function tests can help determine the reason. Electrolytes are present in the human body and the balancing act of the electrolytes in our bodies is essential for normal function of our cells and organs. There has to be a balance. Ionized calcium this test if you have signs of kidney or parathyroid disease. The test may also be done to monitor progress and treatment of these diseases.

"eGFR test is applicable for patients aged 18 years or more."



Dr. Bansal Noopur Kalyan Prasad
 Consultant Pathologist
 Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

☎ 898-898-0606

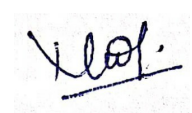
✉ care@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P	Report STATUS : Final Report		
DOB/Age/Gender : 82 Y/Male	Barcode NO : 26115150		
Patient ID / UHID : 12091766/RCL11382950	Sample Type : Serum		
Referred BY : Self	Report Date : Apr 16, 2025, 05:28 PM.		
Sample Collected : Apr 16, 2025, 08:26 AM			

Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection
Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout, Bangalore 560102

📞 898-898-0606

✉ care@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report
 Barcode NO : 26115150
 Sample Type : Serum
 Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Lipid Profile

Total Cholesterol <i>enzymatic CHOD-PAP</i>	188	mg/dL	<200
Triglycerides <i>Glycerol phosphate oxidase</i>	147	mg/dL	<150
HDL Cholesterol <i>cholesterol oxidase and peroxidase</i>	40	mg/dL	>40
Non HDL Cholesterol <i>Calculated</i>	148	mg/dL	<130
LDL Cholesterol <i>Calculated</i>	118.6	mg/dL	<100
V.L.D.L Cholesterol <i>Calculated</i>	29.4	mg/dL	< 30
Chol/HDL Ratio <i>Calculated</i>	4.7	Ratio	3.5 - 5.0
HDL/ LDL Ratio <i>Calculated</i>	0.34	Ratio	0.5 - 3.0
LDL/HDL Ratio <i>Calculated</i>	2.97	Ratio	-

Interpretation:

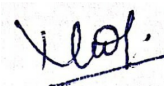
Lipid level assessments must be made following 9 to 12 hours of fasting, otherwise assay results might lead to erroneous interpretation. NCEP recommends of 3 different samples to be drawn at intervals of 1 week for harmonizing biological variables that might be encountered in single assays.

National Lipid Association Recommendations (NLA-2014)	Total Cholesterol (mg/dL)	Triglyceride (mg/dL)	LDL Cholesterol (mg/dL)	Non HDL Cholesterol (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

HDL Cholesterol	
Low	High
<40	>=60

Risk Stratification for ASCVD (Atherosclerotic Cardiovascular Disease) by Lipid Association of India.

Risk Category	A. CAD with > 1 feature of high risk group
Extreme risk group	B. CAD with >1 feature of very high risk group of recurrent ACS (within 1 year) despite LDL-C <or = 50 mg/dl or poly vascular disease
Very High Risk	1. Established ASCVD 2. Diabetes with 2 major risk factors of evidence of end organ damage 3. Familial Homozygous Hypercholesterolemia
	1. Three major ASCVD risk factors 2. Diabetes with 1 major risk factor or no evidence



Dr. Bansal Noopur KalyanPrasad
 Consultant Pathologist
 Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : **Mr Rathinavelu P**

DOB/Age/Gender : 82 Y/Male

Patient ID / UHID : 12091766/RCL11382950

Referred BY : Self

Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report

Barcode NO : 26115150

Sample Type : Serum

Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
High Risk	of end organ damage 3. CHD stage 3B or 4. 4 LDL >190 mg/dl 5. Extreme of a single risk factor 6. Coronary Artery Calcium - CAC > 300 AU 7. Lipoprotein a >= 50 mg/dl 8. Non stenotic carotid plaque		
Moderate Risk	2 major ASCVD risk factors		
Low Risk	0-1 major ASCVD risk factors		
Major ASCVD (Atherosclerotic cardiovascular disease) Risk Factors			
1. Age >=45 years in Males & >= 55 years in Females	3. Current Cigarette smoking or tobacco use		
2. Family history of premature ASCVD	4. High blood pressure		
5. Low HDL			

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by Lipid Association of India in 2020.

Risk Group	Treatment Goals		Consider Drug Therapy	
	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)
Extreme Risk Group Category A	<50 (Optional goal <OR = 30)	<80 (Optional goal <OR = 60)	>OR = 50	>OR = 80
Extreme Risk Group Category B	>OR = 30	>OR = 60	> 30	> 60
Very High Risk	<50	<80	>OR = 50	>OR = 80
High Risk	<70	<100	>OR = 70	>OR = 100
Moderate Risk	<100	<130	>OR = 100	>OR = 130
Low Risk	<100	<130	>OR = 130*	>OR = 160

* After an adequate non-pharmacological intervention for at least 3 months.

References : Management of Dyslipidaemia for the Prevention of Stroke : Clinical practice Recommendations from the Lipid Association of India. Current Vascular Pharmacology,2022,20,134-155.



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P	Report STATUS : Final Report		
DOB/Age/Gender : 82 Y/Male	Barcode NO : 26115150		
Patient ID / UHID : 12091766/RCL11382950	Sample Type : Serum		
Referred BY : Self	Report Date : Apr 16, 2025, 05:28 PM.		
Sample Collected : Apr 16, 2025, 08:26 AM			

Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Vitamin B12 / Cyanocobalamin

Vitamin - B12 CMIA	280	pg/mL	187 - 883
-----------------------	-----	-------	-----------

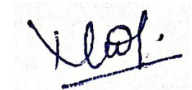
Interpretation:

Low Values are a sign of a vitamin B12 deficiency. People with this deficiency are likely to have or develop symptoms. Causes of vitamin B12 deficiency include: Not enough vitamin B12 in diet (rare except with a strict vegetarian diet), Diseases that cause malabsorption (for example, celiac disease and Crohn's disease), Lack of intrinsic factor, Above normal heat production (for example, with hyperthyroidism), Pregnancy. Increased vitamin B12 levels are uncommon. Usually excess vitamin B12 is removed in the urine. Conditions that can increase B12 levels include: Liver disease (such as cirrhosis or hepatitis), Myeloproliferative disorders (for example, polycythemia vera and chronic myelocytic leukemia).

Vitamin B12: Low Levels can cause malabsorption, Lack of intrinsic factor, Above normal heat production (for example, with hyperthyroidism), Pregnancy. High Level Liver disease, Myeloproliferative disorders (for example, polycythemia vera and chronic myelocytic leukemia).

1. Out of 140 healthy Indian population, 91% of Vitamin B 12 concentrations was at lower level: 59.00 pg/ml and upper level: 700.00 pg/ml

"Patients on Biotin supplement may have interference in some immunoassays. Ref: Arch Pathol Lab Med—Vol 141, November 2017. With individuals taking high dose Biotin (more than 5 mg per day) supplements, at least 8-hour wait time before blood draw is recommended."



Dr. Bansal Noopur Kalyan Prasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection
Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

📞 898-898-0606 ✉ care@redcliffelabs.com 🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P

DOB/Age/Gender : 82 Y/Male

Patient ID / UHID : 12091766/RCL11382950

Referred BY : Self

Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report

Barcode NO : 26115150

Sample Type : Serum

Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Thyroid Profile Total

Triiodothyronine (T3) CMIA	89.4	ng/dL	35 - 193
Total Thyroxine (T4) CMIA	7.09	µg/dL	4.87 - 11.2
Thyroid Stimulating Hormone (Ultrasensitive) CMIA	4.67	µIU/mL	0.35 - 4.94

Interpretation:

Pregnancy	Reference Range TSH
1st Trimester	0.1 - 2.5
2nd Trimester	0.2 - 3.0
3rd Trimester	0.3 - 3.0

Clinical Use:

1. Diagnose Hypothyroidism & Hyperthyroidism
2. Monitor T4 therapy
3. Measure subnormal TSH levels

Increased TSH: Primary hypothyroidism, Subclinical hypothyroidism, TSH-dependent hyperthyroidism, Thyroid hormone resistance

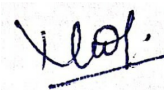
Decreased TSH: Graves' disease, Autonomous thyroid hormone secretion, TSH deficiency

Thyroid malfunction (hyper or hypo) affects T3 & T4 levels. Pituitary or hypothalamic issues also influence thyroid activity.

1. **Primary Hypothyroidism:** High TSH levels.
2. **Secondary/Tertiary Hypothyroidism:** Low TSH levels.
3. **Euthyroid Sick Syndrome:** Abnormal thyroid test results due to non-thyroidal illnesses (NTI).

TBG levels are stable in healthy individuals but may be altered by pregnancy, estrogens, androgens, steroids, or glucocorticoids, causing inaccurate T3 & T4 readings.

TSH	T4	T3	Interpretation
High	Normal	Normal	Mild (subclinical) hypothyroidism
High	Low	Low Or Normal	Hypothyroidism
Low	Normal	Normal	Mild (subclinical) hyperthyroidism
Low	High Or Normal	High Or Normal	Hyperthyroidism
Low	Low Or Normal	Low Or Normal	Nonthyroidal illness; pituitary (secondary) hypothyroidism
Normal	High	High	Thyroid hormone resistance syndrome (a mutation in the thyroid hormone receptor decreases thyroid hormone function)



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

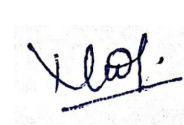
All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : **Mr Rathinavelu P**
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report
 Barcode NO : 26115150
 Sample Type : Serum
 Report Date : Apr 16, 2025, 05:28 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------



Dr. Bansal Noopur KalyanPrasad
 Consultant Pathologist
 Reg No. 162022



Booking Centre :- Home Collection
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout,
 Bangalore 560102

📞 898-898-0606

✉ care@redcliffelabs.com

🌐 www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P
 DOB/Age/Gender : 82 Y/Male
 Patient ID / UHID : 12091766/RCL11382950
 Referred BY : Self
 Sample Collected : Apr 16, 2025, 08:26 AM

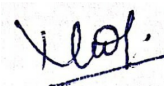
Report STATUS : Final Report
 Barcode NO : 26412211
 Sample Type : Spot Urine
 Report Date : Apr 16, 2025, 06:16 PM.



Test Description	Value(s)	Unit(s)	Reference Range
------------------	----------	---------	-----------------

Urine Routine and Microscopic Examination

Physical Examination			
Volume <i>visual</i>	20	mL	
Colour <i>visual</i>	Pale Yellow		Pale yellow
Transparency <i>visual</i>	Clear		Clear
Deposit <i>visual</i>	Absent		Absent
Chemical Examination			
Reaction (pH) <i>Double Indicator</i>	6.0		5.5-8.0
Specific Gravity <i>Ion Exchange.</i>	1.010	0	1.010 - 1.030
Urine Glucose (sugar) <i>Oxidase / Peroxidase</i>	Negative		Negative
Urine Protein (Albumin) <i>bromophenol blue</i>	Negative		Negative
Urine Ketones (Acetone) <i>Legals Test</i>	Negative		Negative
Blood <i>Peroxidase Hemoglobin</i>	Negative		Negative
Leucocyte esterase <i>amino acid aster</i>	Negative		Negative
Bilirubin Urine <i>Diazotized dichloroaniline</i>	Negative		Negative
Nitrite <i>Griless Test</i>	Negative		Negative
Urobilinogen <i>Ehrlichs Test</i>	Normal		Normal
Microscopic Examination			
Pus Cells (WBCs) <i>WET MOUNT</i>	4-5	/hpf	0-5
Epithelial Cells <i>WET MOUNT</i>	3-4	/hpf	0-4
Red blood Cells <i>WET MOUNT</i>	Absent	/hpf	Absent
Crystals <i>WET MOUNT</i>	Absent		Absent
Cast <i>WET MOUNT</i>	Absent		Absent
Yeast Cells <i>WET MOUNT</i>	Absent		Absent



Dr. Bansal Noopur Kalyan Prasad
 Consultant Pathologist
 Reg No. 162022



Booking Centre :- Home Collection
 Processing Lab :- Redcliff Lifetech Pvt. Ltd., Building No.168, First Floor Sarathy, 9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Patient NAME : Mr Rathinavelu P

DOB/Age/Gender : 82 Y/Male

Patient ID / UHID : 12091766/RCL11382950

Referred BY : Self

Sample Collected : Apr 16, 2025, 08:26 AM

Report STATUS : Final Report

Barcode NO : 26412211

Sample Type : Spot Urine

Report Date : Apr 16, 2025, 06:16 PM.



Test Description	Value(s)	Unit(s)	Reference Range
Amorphous deposits WET MOUNT	Absent		Absent
Bacteria WET MOUNT	Absent		Absent
Protozoa WET MOUNT	Absent		Absent

Interpretation:

URINALYSIS- Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders.

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection.

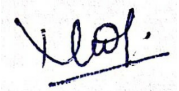
pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of haemolytic anaemia.

*** End Of Report ***



Dr. Bansal Noopur KalyanPrasad
Consultant Pathologist
Reg No. 162022



Booking Centre :- Home Collection

Processing Lab :- Redcliffe Lifetech Pvt. Ltd., Building No.168,First Floor Sarathy,9 Main Sector 6 HRS Layout, Bangalore 560102

898-898-0606

care@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Name Mr Rathinavelu P	Patient ID 12091766	Gender M	Age 82
---------------------------------	-------------------------------	--------------------	------------------

Health Advisory

● Normal (N)
 ● Low (L)
 ● Borderline (BL)
 ● High (H)



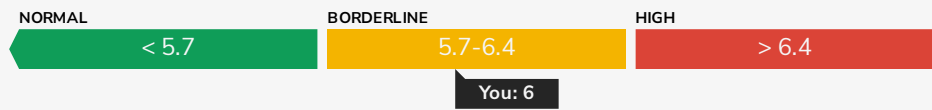
Diabetes

This panel is used to check how much glucose/sugar there is in your blood. Too much blood glucose might indicate diabetes.

Glycosylated Hemoglobin (HbA1c): 6 %

● BORDERLINE

HbA1c is your average blood glucose (sugar) levels for the past three months.



High HbA1c indicates :

Average of blood glucose level in the last 2-3 months is abnormally high.





Kidney Profile

This panel is used to check healthy functioning of your kidneys. Kidneys filter blood in your body to remove waste products - these waste products are produced when breakdown of proteins (present in food, muscles and other cells) occurs in the body to generate energy

Uric Acid: 7.3 mg/dL

● HIGH

Uric Acid is another waste product in your body. High levels of uric acid can lead to problems like gout (deposition of uric acid crystals in great toe/toes specifically causing redness and joint pain)



Abnormal results may indicate :

Your kidneys are not functioning properly. High levels of uric acid can lead to gout disease. Note: In gout, uric acid crystals get deposited in joints. Symptoms of gout are pain, redness, swelling in joints, especially in your big toe.

Did You Know?



Purine rich diet can increase production of uric acid in your body. Foods rich in purine include all meats but specifically organ meats (kidneys, liver), and seafood.



Beer can also increase uric acid levels by decreasing the excretory function of kidneys.



Heavy exercise can increase the production of uric acid in your body.





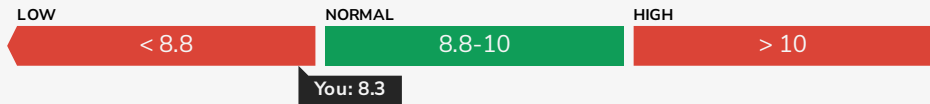
Minerals

Minerals are those elements on the earth and in foods that our bodies need to develop and function normally. This profile measures vital minerals in your body, including calcium, zinc, iodine, iron, and magnesium. These tests screen for mineral deficiencies and toxicities, helping you maintain a healthy balance

Calcium Serum: 8.3 mg/dL

● LOW

Calcium is found in bones and teeth. It helps in nerve impulse transmission and muscle contraction. Low levels of calcium for a long time can lead to problems in blood clotting. In menopausal women, low levels can lead to osteoporosis.



Common reasons for abnormal results :



Hyperparathyroidism
(overactive parathyroid gland).



Vitamin D deficiency- VitD deficiency decreases your body's ability to absorb calcium from your food.



Inflammation of pancreas

Diet and Lifestyle Tips :



You should first try increasing your calcium levels from your diet, as natural calcium sources are good for your health. If required, calcium supplements should be taken with cautions.



If you are taking calcium supplements, take it along with your meal for better absorption.





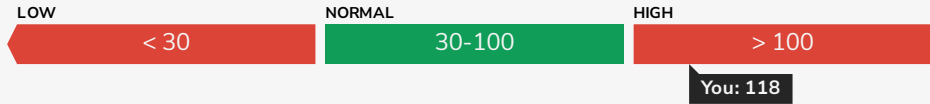
Lipid Profile

A panel of tests that measures the amount of fat or lipid in your blood.

LDL Cholesterol: 118.6 mg/dL

● HIGH

LDL (Low-Density Lipoprotein) is "bad" cholesterol because it deposits fat around your blood vessels to cause heart disease.



Did You Know?



Saturated fats occur naturally in many foods, primarily meat and dairy products. Beef, lamb, pork and poultry (with the skin on), butter, cream and cheese made from whole milk, are high in saturated fats.



Plant-based foods that contain saturated fats include coconut oil, cocoa butter, palm oil and palm kernel oil (often called tropical oils).



About Redcliffe Labs

We are India's Most Trusted & Fastest Growing Network of Diagnostics Labs

Best Customer Experience



Commitment to excellence, high end technology oriented staff

100% Report Correctness



Focus on quality with accurate results

Best Prices With Fast Reports



Value for money with quick turn around time (TAT)

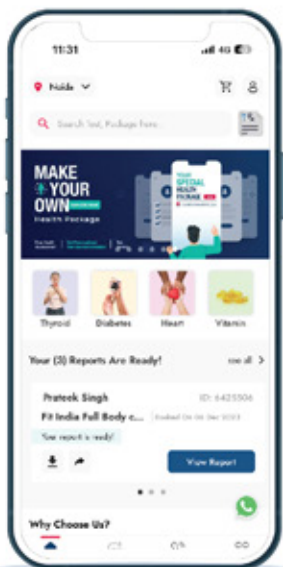
For every 10,000 patients served,
we plant a tree



Select from a wide range of
Full Body Health Check-up
packages that suits your health

Best Selling Package

**Annual Health Checkup
Advance Plus with Free HsCRP**



Get free report consultation
& download our app

A Simple and easy way to track your health

- 3600 + Tests & Packages
- Presence in 220+ Cities
- 45 Min Express Sample Collection
- 100% Accurate Report Guarantee.

