Redcliffe labs

Healthy India Ki Trusted Lab

smart Health Report

An Insightful Health Analytics Report for Easier Understanding

Prepared For

Mr MR.DUMMY

M 23

SMART HEALTH REPORT

Name	Patient ID	Gender	Age
Mr MR.DUMMY	8052674	M	23

Health Summary

BLOOD COUNTS

Everything looks good

ANEMIA STUDIES

Test Name	Result
Hemoglobin	11.5

Please Watchout

MINERAL PROFILE

Everything looks good

LABORATORY REPORT

Redcliffe labs

Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052674/RCL7249263	Report Date	: May 04, 2024, 10:30 PM
Referred By	: Dr. Dr. X	Barcode No	: HY569762
Sample Type	: Whole blood EDTA	Report Status	: Final Report

Low Energy Screening

Complete Blood Count (CBC)

Test Description	Value(s)	Unit(s)	Reference Range
RBC Parameters			
Hemoglobin *Spectrophotometry*	**11.5**	g/dL	13.0 - 17.0
RBC Count *Electrical impedance*	4.8	10^6/µl	4.5 - 5.5
PCV *Calculated*	**34.9**	%	40 - 50
MCV *Calculated*	**73.3**	fl	83 - 101
MCH *Calculated*	**24.1**	pg	27 - 32
MCHC *Calculated*	32.9	g/dL	31.5 - 34.5
RDW (CV) *Calculated*	**14.3**	%	11.6 - 14.0
RDW-SD *Calculated*	36	fl	35.1 - 43.9
WBC Parameters			
TLC *Electrical impedance and microscopy*	**10.4**	10^3/µl	4 - 10
Differential Leucocyte Count			
Neutrophils *Flow-cytometry DHSS*	57.2	%	40-80
Lymphocytes *Flow-cytometry DHSS*	30.2	%	20-40
Monocytes *Flow-cytometry DHSS*	9	%	2-10
Eosinophils *Flow-cytometry DHSS*	3.6	%	1-6
Basophils *Flow-cytometry DHSS*	0	%	<2
Absolute Leukocyte Counts ***Calculated***			
Neutrophils.	5.95	10^3/µl	2 - 7
Lymphocytes. *Calculated*	**3.14**	10^3/µl	1 - 3
Monocytes. *Calculated*	0.94	10^3/µl	0.2 - 1.0
Eosinophils. *Calculated*	0.37	10^3/µl	0.02 - 0.5
Basophils.	**0**	10^3/µl	0.02 - 0.5

Dr. Islam Barkatullah Khan
MD (Pathology)
Consultant Pathologist

Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
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Referred By	: Dr. Dr. X	Barcode No	: HY569762
Sample Type	: Whole blood EDTA	Report Status	: Final Report

Test Description	Value(s)	Unit(s)	Reference Range
Calculated			
Platelet Parameters			
Platelet Count *Electrical impedance and microscopy*	163	10^3/µl	150 - 410
Mean Platelet Volume (MPV) *Calculated*	11.8	fL	9.3 - 12.1
PCT *Calculated*	0.2	%	0.17 - 0.32
PDW *Calculated*	**29.8**	fL	8.3 - 25.0
P-LCR *Calculated*	**50.4**	%	18 - 50
P-LCC *Calculated*	82	%	44 - 140
Mentzer Index *Calculated*	15.27	%	> 13

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.

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Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052674/RCL7249263	Report Date	: May 04, 2024, 06:00 PM
Referred By	: Dr. Dr. X	Barcode No	: HY569762
Sample Type	: Whole blood EDTA	Report Status	: Final Report

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

Erythrocyte Sedimentation Rate (ESR)

ESR - Erythrocyte Sedimentation Rate *MODIFIED WESTERGREN*	4	mm/hr	0 - 10

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.

AGE	MALE	FEMALE
1 DAY	0-2	0-2
2 - 7 DAYS	0-4	0-4
8 - 14 DAYS	0-17	0-17
15 DAYS - 17 YEARS	0-20	0-20
18 - 50 YEARS	0-10	0-12
51- 60 YEARS	0-12	0-19
61 - 70 YEARS	0-14	0-20
71 - 100 YEARS	0-30	0-35

Reference- Dacie and lewis practical hematology

Dr. Dummy

Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052674/RCL7249263	Report Date	: May 04, 2024, 03:43 PM
Referred By	: Dr. Dr. X	Barcode No	: ZC624442
Sample Type	: Serum	Report Status	: Final Report

Iron Studies

Test Description	Value(s)	Unit(s)	Reference Range
Iron *FerroZine*	132.0	µg/dL	33 - 193
TIBC,(Total Iron Binding Capacity) *Calculated*	330	µg/dL	228 - 428
UIBC *FerroZine*	198.0	µg/dL	125 - 345
Transferrin Saturation *Calculated*	40	%	16 - 45

Interpretation:
Increased levels due to iron ingestion or ineffective erythropoiesis.Decreased levels due to infection, inflammation, malignancy, menstruation and Fe deficiency.Needs to be taken into consideration with TIBC. Transferrin Saturation:- Low level Transferrin Saturation can indicate iron deficiency, erythropoiesis, infection, or inflammation. High level Transferrin Saturation can indicate recent ingestion of dietary iron,ineffective erythropoiesis,haemochromatosis or liver disease.High TIBC, UIBC, or transferrin usually indicates iron deficiency, but they are also increased in pregnancy and with the use of oral contraceptives. Low TIBC, UIBC, or transferrin may occur if someone has:Hemochromatosis, Certain types of anemia due to accumulated iron,Malnutrition,kidney disease that causes a loss of protein in urine.

Dr. Dummy

Patient Name	**: Mr MR.DUMMY**		
DOB/Age/Gender	: 23 Y/Male	Sample Collected	: Apr 26, 2024, 01:00 PM
Patient ID / UHID	: 8052674/RCL7249263	Report Date	: May 04, 2024, 05:57 PM
Referred By	: Dr. Dr. X	Barcode No	: ZC624442
Sample Type	: Serum	Report Status	: Final Report

Test Description	Value(s)	Unit(s)	Reference Range
Sodium			
Sodium *ISE-Indirect*	139.0	mmol/L	136 - 145
Interpretation: The kidneys regulate the sodium contents of the body. Low sodium levels may be caused by excessive urinary loss, diarrhea, Addisons disease, or renal tubular disease. High sodium levels may occur in severe dehydration, some types of brain injury, diabetic coma and excessive intake of salt.			
Potassium			
Potassium *ISE-Indirect*	5.0	mmol/L	3.5 - 5.1
Chloride			
Chloride *ISE-Indirect*	107.0	mmol/L	98 - 107

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.

Dr. Dummy

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1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.

2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

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5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.

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Mr MR.DUMMY	8052674	M	23

Health Advisory

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

Anemia Profile

Anemia is the condition where your body has less RBCs (red blood cells) or the RBCs don't have enough haemoglobin. Haemoglobin is the protein present in RBCs that help carry oxygen to your body's tissues.

Hemoglobin: 11.5 g/dL — LOW

Abnormal results may indicate :

Anemia.

Diet and Lifestyle Tips :

Eat iron rich foods as iron is essential for the production of hemoglobin. Iron-rich foods include meat, fish, eggs and oysters, beans, lentils, dark green leafy vegetables (spinach, watercress, curly kale), broccoli, iron fortified cereals and dried fruits (apricots, prunes and raisins).

Avoid drinking tea and coffee with meals, and foods with high phytic acid, such as whole grain cereals, as they can affect digestive absorption of iron from your diet.

Your body absorbs iron from plant-based foods better when you eat them with vitamin-C rich foods, such as oranges, strawberries, melons, peppers and tomatoes.