



LABORATORY REPORT : BIOCHEMISTRY

Name	: Mr. SUDAMALLA MAHESH	Age /Sex	: 35Y Y(s)/MALE
Bill Date	: 28-Sep-2024 11:11 AM	UMR No.	: 652409000913
Rec. Dt	: 28-Sep-2024 12:25 PM	Bill No.	: MCB65240901948
Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906427
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

SERUM URIC ACID

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
SERUM URIC ACID <i>uricase</i>	6.2 *	2.4-5.7	mg/dL

*** End Of Report ***


DR. MANCHALA LATA
CONSULTANT PATHOLOGIST



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Rept. Dt	: 28-Sep-2024 03:40 PM	Result No	: RWL240906428
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

T3,T4 AND TSH

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
T3 ECLIA	1.01	0.8 - 2.0	ng/mL
T4 ECLIA	8.71	5.1 - 14.1	ug/dL
TSH(THYROID STIMULATING HORMONE) ECLIA	2.27	0.270 - 4.20	uIU/mL

*** End Of Report ***


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Medicover Hospital, Opp.Nexa Showroom,
DNo:23-6-156,23-6-156/1&23-6-156/2,
SNo.126,128,129,131,132,133,134&136, Hunter road,
Hanamkonda, Warangal , Telangana, 506319, Warangal

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Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906429
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

SERUM CREATININE

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
SERUM CREATININE <i>jaffe</i>	1.0	0.7-1.2	mg/dl

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Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906430
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010725
Sample Type	: PLASMA		

FBS (FASTING BLOOD GLUCOSE WITH URINE GLUCOSE)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
FASTING BLOOD GLUCOSE <i>Hexokinase</i>	85	Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126	mg/dL

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Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906431
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

LIPID PROFILE

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
TOTAL CHOLESTEROL <i>Enzymatic colorimetric</i>	228 *	Desirable : : < 200 mg/dL Borderline High : : 200 - 239 mg/dL High risk : > 240 mg/dL	mg/dL
HDL CHOLESTEROL <i>Homogeneous enzymatic colorimetric</i>	49	Low : : < 40 mg/dL High : : > 60 mg/dL	mg/dL
LDL CHOLESTEROL <i>Direct-Enzymatic colorimetric</i>	181 *	Very High : - > 190 mg/dL Optimal : - < 100 mg/dL Near Optimal : 100 - 129 mg/dL High : 160 - 189 mg/dL Borderline High:130-159 mg/dl	mg/dL
VLDL <i>Calculation</i>	20	2 - 30 mg/dL	mg/dL
SERUM TRYGLYCERIDES <i>Enzymatic colorimetric</i>	101	< 150 mg/dL Borderline High : 150 - 199 mg/dL High : 200 - 499 mg/dL	mg/dL
CHO/HDL RATIO <i>Calculation</i>	4.65 *	Normal : - < 3.5 High Risk : - > 5.0	
LDL/HDL RATIO	3.69		

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Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906432
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010726
Sample Type	: SERUM		

HBA1C (GLYCOSYLATED HAEMOGLOBIN)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
HBA1C <i>HPLC</i>	5.9 *	" Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 %	
MPG(Mean Plasma Glucose) <i>Derived from HBA1c value</i>	132.74	" Excellent Control : 90 - 120 mg/dl Good Control : 121 - 150 "	mg/dl

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Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

BUN(BLOOD UREA NITROGEN)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
BLOOD UREA <i>Urease kinetic</i>	15.1 *	16.6 - 48.5	mg/dL

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Rept. Dt	: 28-Sep-2024 03:06 PM	Result No	: RWL240906434
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

LFT(LIVER FUNCTION TEST)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
TOTAL BILIRUBIN <i>DIAZO</i>	0.5	<1.2	mg/dL
DIRECT BILIRUBIN <i>DIAZO</i>	0.2	<=0.20	mg/dL
INDIRECT BILIRUBIN <i>Calculated</i>	0.3	<=1.0	mg/dL
SGPT (ALT) <i>UV without P5P</i>	35	<=41	U/L
SGOT (AST) <i>UV without P5P</i>	24	<=40	U/L
ALKALINE PHOSPHATASE (ALP) <i>PNPP, AMP Buffer - IFCC Ref.</i>	74	40-129 U/L	U/L
TOTAL PROTEINS <i>Biuret method</i>	7.4	6.0 - 8.0 g/dL	g/dL
SERUM ALBUMIN <i>Bromcresol Green (BCG)</i>	5.0	3.5 - 5.2 g/dL	g/dL
GLOBULINS <i>Calculated</i>	2.4 *	2.5 - 3.5 g/dL	g/dL
A/G RATIO <i>Calculation</i>	2.0	1.2 - 2.5	
GAMMA GLUTAMYL TRANSFERASE(GGT) <i>G-glutamyl-carboxy-nitroanilide-IFCC</i>	34	6-42	U/L


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Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010724
Sample Type	: SERUM		

*** End Of Report ***


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LABORATORY REPORT : BLOOD BANK

Name	: Mr. SUDAMALLA MAHESH	Age /Sex	: 35Y Y(s)/MALE
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Rec. Dt	: 28-Sep-2024 12:06 PM	Bill No.	: MCB65240901948
Rept. Dt	: 28-Sep-2024 12:32 PM	Result No	: RWL240906426
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010723
Sample Type	: WHOLE BLOOD		

BLOOD GROUPING AND RH

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
BLOOD GROUP <i>Automated microcolumn gel method</i>	B		
RH TYPE	POSITIVE		

INTERPRETATION

1. If Rh is Du positive it is best considered as Rh negative as recipient and Rh positive as donor. Proper Cross matching is recommended before transfusion.
2. In case of forward and reverse grouping discrepancy, clinical correlation and repeat sample analysis is recommended.
3. For Infants below 6 months only forward grouping is performed.
4. A sub-grouping is recommended after the age of 6 months.

*** End Of Report ***


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LABORATORY REPORT : CLINICAL PATHOLOGY

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Rept. Dt	: 28-Sep-2024 12:29 PM	Result No	: RWL240906441
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010733
Sample Type	: URINE		

CUE(COMPLETE URINE EXAMINATION)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<u>PHYSICAL EXAMINATION</u>			
VOLUME	20	10 ml to 25 ml	ml
COLOUR	Pale Yellow	PALE YELLOW	
APPEARANCE	Clear	CLEAR	
<u>CHEMICAL EXAMINATION</u>			
SPECIFIC GRAVITY <i>Bromthymol blue</i>	1.030	1.000 - 1.030	
PH <i>Bromthymol blue</i>	5.0	5.0 - 8.0	
PROTEIN <i>Tetra-bromophenol blue/Heat coagulation test</i>	Nil	NIL (<15 mg/dL)	
GLUCOSE <i>Glucose oxidase Peroxidase/Benedict?s test</i>	Nil	NIL (<25 mg/dL)	
UROBILINOGEN <i>Diazonium salt</i>	Nil	NIL	
KETONE <i>Sodium nitroprusside/Rothera?s test.</i>	Nil	NIL (<5 mg/dL)	


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Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010733
Sample Type	: URINE		

BILIRUBIN Nil NIL (<0.5 mg/dL)
Diazonium salt/Fouchets test

NITRITE Negative NEGATIVE
Sulfanilic acid

MICROSCOPIC EXAMINATION

PUS CELLS	2-4	0 - 5 /hpf	
RBC	Nil	0 - 5 /hpf	
EPITHELIAL CELLS	1-2	0 - 5	hpf
CRYSTALS	Nil	NIL	
CASTS	Nil	NIL	
OTHERS	Nil	NIL	

INTERPRETATION

The colour fields of chemicals correspond to the following values:

1. Proteins: neg (negative), 30-99 (+), 100-499 (++) , >500 (+++) mg/dl
2. Ketones: neg. (negative), 5 (Trace), 15-49 (+), 50-149 (++) , >150 (+++) mg/dl
3. Glucose: norm. (normal), 50-149 (+), 150-499 (++) , 500-999 (+++) , >1000 (++++) mg/dl
4. Bilirubin: neg (negative), 1 (+), 3 (++) , 6 (+++) mg/ dl
5. Urobilinogen: norm. (normal), 2 (+), 4 (++) , 8 (+++) , 12 (++++) mg/dl.

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Rept. Dt	: 28-Sep-2024 12:35 PM	Result No	: RWL240906439
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010731
Sample Type	: WHOLE BLOOD		

CBP(COMPLETE BLOOD PICTURE)

Parameters	Result	Reference Range	Units
HEMOGLOBIN <i>Photometric</i>	15.9	13.0 - 17.0	gms/dL
R B C COUNT <i>Electrical Impedance</i>	5.6 *	4.5 - 5.5 10 ¹² /L	10 ¹² /L
PCV/HCT <i>Calculated</i>	48.3	40 - 50	%
MCV <i>Calculated</i>	85.7	83 - 101	fl
MCH <i>Calculated</i>	28.2	27 - 32	pg
MCHC <i>Calculated</i>	33.0	31 - 37	g/dL
RDW(cv)	16.3 *	11.6 - 14.0 %	%
TLC (TOTAL LEUCOCYTE COUNT) <i>Impedance</i>	5.9	4.0 - 10.0	10 ³ /μl
DIFFERENTIAL COUNT			
NEUTROPHILS <i>DHSS/Microscopy</i>	58	40 - 80 %	
LYMPHOCYTES <i>DHSS/Microscopy</i>	32	20 - 40 %	


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Sample Type	: WHOLE BLOOD		

MONOCYTES <i>DHSS/Microscopy</i>	08	02 - 10 %	
EOSINOPHILS <i>DHSS/Microscopy</i>	02	00 - 06 %	
BASOPHILS <i>DHSS/Microscopy</i>	00	00 - 01 %	
ABSOLUTE NEUTROPHILS COUNT(ANC) <i>Calculated</i>	3.39 *	4.0 -14.0 10 ⁹ /L	10 ⁹ /L
ABSOLUTE LYMPHOCYTES COUNT(ALC) <i>Calculated</i>	1.94	1.0 - 3.0 10 ⁹ /L	10 ⁹ /L
ABSOLUTE MONOCYTES COUNT(AMC) <i>Calculated</i>	0.44	0.2 - 1.0 10 ⁹ /L	10 ⁹ /L
ABSOLUTE EOSINOPHILS COUNTS(AEC) <i>Calculated</i>	0.14	0.02 - 0.5 10 ⁹ /L	10 ⁹ /L
ABSOLUTE BASOPHILS COUNT(ABC) <i>Calculated</i>	0.0		
PLATELET COUNT <i>Electrical Impedance</i>	230	150 - 400 10 ³ /μL	10 ³ /μL


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Sample Type	: WHOLE BLOOD		

PERIPHERAL SMEAR (Leishman's Stain /Microscopy)

RBC

Normocytic normochromic picture

WBC

Normal in morphology, maturity and distribution

PLATELETS

Adequate

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Rept. Dt	: 28-Sep-2024 01:00 PM	Result No	: RWL240906440
Ref By	: DR. Girish Loya	Sample ID	: MCWWL7010732
Sample Type	: WHOLE BLOOD		

ESR

Parameters

Result

Reference Range

Units

ESR

05

0 - 10

mm/1st hour

MODIFIED WESTERGREN'S
METHOD

*** End Of Report ***



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