



**LABORATORY REPORT : BIOCHEMISTRY**

<b>Name</b>	: Mrs. THUPAKULA APARNA	<b>Age /Sex</b>	: 30Y Y(s)/FEMALE
<b>Bill Date</b>	: 28-Sep-2024 11:13 AM	<b>UMR No.</b>	: 652409000914
<b>Rec. Dt</b>	: 28-Sep-2024 12:07 PM	<b>Bill No.</b>	: MCB65240901949
<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906416
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

**LIPID PROFILE**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>TOTAL CHOLESTEROL</b> <i>Enzymatic colorimetric</i>	211 *	Desirable : : < 200 mg/dL Borderline High : : 200 - 239 mg/dL High risk : > 240 mg/dL	mg/dL
<b>HDL CHOLESTEROL</b> <i>Homogeneous enzymatic colorimetric</i>	38	Low : : < 40 mg/dL High : : > 60 mg/dL	mg/dL
<b>LDL CHOLESTEROL</b> <i>Direct-Enzymatic colorimetric</i>	171 *	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
<b>VLDL</b> <i>Calculation</i>	22.4	2 - 30 mg/dL	mg/dL
<b>SERUM TRYGLYCERIDES</b> <i>Enzymatic colorimetric</i>	112	< 150 mg/dL Borderline High : 150 - 199 mg/dL High : 200 - 499 mg/dL	mg/dL
<b>CHO/HDL RATIO</b> <i>Calculation</i>	5.55 *	Normal : - < 3.5 High Risk : - > 5.0	
<b>LDL/HDL RATIO</b>	4.5		

\*\*\* End Of Report \*\*\*

  
**DR. MANCHALA LATA**  
CONSULTANT PATHOLOGIST



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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<b>Rec. Dt</b>	: 28-Sep-2024 01:47 PM	<b>Bill No.</b>	: MCB65240901949
<b>Rept. Dt</b>	: 28-Sep-2024 02:29 PM	<b>Result No</b>	: RWL240906417
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: PLASMA		

**PLBS (POST LUNCH BLOOD SUGAR WITH URINE SUGAR)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
URINE SUGAR	Nil	Normal Range : <140 Impaired Glucose Tolerance : 140 -199 Diabetes Mellitus: >=200	

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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906418
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

### SERUM URIC ACID

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>SERUM URIC ACID</b> <i>uricase</i>	4.5	2.4-5.7	mg/dL

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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906419
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

**LFT(LIVER FUNCTION TEST)**

<b>Parameters</b>	<b>Result</b>	<b>Reference Range</b>	<b>Units</b>
<b>TOTAL BILIRUBIN</b> <i>DIAZO</i>	0.6	<1.2	mg/dL
<b>DIRECT BILIRUBIN</b> <i>DIAZO</i>	0.2	<=0.20	mg/dL
<b>INDIRECT BILIRUBIN</b> <i>Calculated</i>	0.4	<=1.0	mg/dL
<b>SGPT (ALT)</b> <i>UV without P5P</i>	09	<=33	U/L
<b>SGOT (AST)</b> <i>UV without P5P</i>	13	<= 32	U/L
<b>ALKALINE PHOSPHATASE (ALP)</b> <i>PNPP, AMP Buffer - IFCC Ref.</i>	100	35 - 105	U/L
<b>TOTAL PROTEINS</b> <i>Biuret method</i>	<b>8.2 *</b>	6.0 - 8.0 g/dL	g/dL
<b>SERUM ALBUMIN</b> <i>Bromcresol Green (BCG)</i>	4.4	3.5 - 5.2 g/dL	g/dL
<b>GLOBULINS</b> <i>Calculated</i>	<b>3.8 *</b>	2.5 - 3.5 g/dL	g/dL
<b>A/G RATIO</b> <i>Calculation</i>	<b>1.1 *</b>	1.2 - 2.5	
<b>GAMMA GLUTAMYL TRANSFERASE(GGT)</b> <i>G-glutamyl-carboxy-nitroanilide-IFCC</i>	15	6-42	U/L

  
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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906419
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

\*\*\* End Of Report \*\*\*



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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906420
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

### SERUM CREATININE

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
SERUM CREATININE <i>jaffe</i>	0.6 *	0.7-1.2	mg/dl

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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906412
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010714
<b>Sample Type</b>	: PLASMA		

### FBS (FASTING BLOOD GLUCOSE WITH URINE GLUCOSE)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>FASTING BLOOD GLUCOSE</b> <i>Hexokinase</i>	92	Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126	mg/dL

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<b>Rept. Dt</b>	: 28-Sep-2024 01:00 PM	<b>Result No</b>	: RWL240906421
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010718
<b>Sample Type</b>	: SERUM		

### BUN(BLOOD UREA NITROGEN)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>BLOOD UREA</b> <i>Urease kinetic</i>	<b>8.5 *</b>	16.6 - 48.5	mg/dL

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## LABORATORY REPORT : BLOOD BANK

<b>Name</b>	: Mrs. THUPAKULA APARNA	<b>Age /Sex</b>	: 30Y Y(s)/FEMALE
<b>Bill Date</b>	: 28-Sep-2024 11:13 AM	<b>UMR No.</b>	: 652409000914
<b>Rec. Dt</b>	: 28-Sep-2024 11:48 AM	<b>Bill No.</b>	: MCB65240901949
<b>Rept. Dt</b>	: 28-Sep-2024 12:30 PM	<b>Result No</b>	: RWL240906411
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010713
<b>Sample Type</b>	: WHOLE BLOOD		

### BLOOD GROUPING AND RH

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>BLOOD GROUP</b> <i>Automated microcolumn gel method</i>	B		
<b>RH TYPE</b>	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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<b>Bill Date</b>	: 28-Sep-2024 11:13 AM	<b>UMR No.</b>	: 652409000914
<b>Rec. Dt</b>	: 28-Sep-2024 11:51 AM	<b>Bill No.</b>	: MCB65240901949
<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RWL240906423
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010720
<b>Sample Type</b>	: URINE		

**CUE(COMPLETE URINE EXAMINATION)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b><u>PHYSICAL EXAMINATION</u></b>			
<b>VOLUME</b>	20	10 ml to 25 ml	ml
<b>COLOUR</b>	Pale Yellow	PALE YELLOW	
<b>APPEARANCE</b>	Clear	CLEAR	
<b><u>CHEMICAL EXAMINATION</u></b>			
<b>SPECIFIC GRAVITY</b> <i>Bromthymol blue</i>	1.010	1.000 - 1.030	
<b>PH</b> <i>Bromthymol blue</i>	5.5	5.0 - 8.0	
<b>PROTEIN</b> <i>Tetra-bromophenol blue/Heat coagulation test</i>	Nil	NIL (<15 mg/dL)	
<b>GLUCOSE</b> <i>Glucose oxidase Peroxidase/Benedict?s test</i>	Nil	NIL (<25 mg/dL)	
<b>UROBILINOGEN</b> <i>Diazonium salt</i>	Nil	NIL	
<b>KETONE</b> <i>Sodium nitroprusside/Rothera?s test.</i>	Nil	NIL (<5 mg/dL)	

  
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<b>Rec. Dt</b>	: 28-Sep-2024 11:51 AM	<b>Bill No.</b>	: MCB65240901949
<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RWL240906423
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010720
<b>Sample Type</b>	: 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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**LABORATORY REPORT : HAEMATOLOGY**

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<b>Rept. Dt</b>	: 28-Sep-2024 11:53 AM	<b>Result No</b>	: RWL240906410
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010712
<b>Sample Type</b>	: WHOLE BLOOD		

**CBP(COMPLETE BLOOD PICTURE)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>HEMOGLOBIN</b> <i>Photometric</i>	<b>11.2 *</b>	12.0 - 15.0	gms/dL
<b>R B C COUNT</b> <i>Electrical Impedance</i>	4.4	3.8 - 4.8 10 <sup>12</sup> /L	10 <sup>12</sup> /L
<b>PCV/HCT</b> <i>Calculated</i>	<b>34.5 *</b>	36 - 46	%
<b>MCV</b> <i>Calculated</i>	<b>78.2 *</b>	83 - 101	fl
<b>MCH</b> <i>Calculated</i>	<b>25.4 *</b>	27 - 32	pg
<b>MCHC</b> <i>Calculated</i>	32.4	31 - 37	g/dL
<b>RDW(cv)</b>	<b>17.2 *</b>	11.6 - 14.0 %	%
<b>TLC (TOTAL LEUCOCYTE COUNT)</b> <i>Impedance</i>	9.2	4.0 - 10.0	10 <sup>3</sup> /μl
<b>DIFFERENTIAL COUNT</b>			
<b>NEUTROPHILS</b> <i>DHSS/Microscopy</i>	52	40 - 80 %	
<b>LYMPHOCYTES</b> <i>DHSS/Microscopy</i>	38	20 - 40 %	

  
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<b>Rept. Dt</b>	: 28-Sep-2024 11:53 AM	<b>Result No</b>	: RWL240906410
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010712
<b>Sample Type</b>	: WHOLE BLOOD		

<b>MONOCYTES</b> <i>DHSS/Microscopy</i>	06	02 - 10 %	
<b>EOSINOPHILS</b> <i>DHSS/Microscopy</i>	04	00 - 06 %	
<b>BASOPHILS</b> <i>DHSS/Microscopy</i>	00	00 - 01 %	
<b>ABSOLUTE NEUTROPHILS COUNT(ANC)</b> <i>Calculated</i>	4.90	2.0 - 7.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE LYMPHOCYTES COUNT(ALC)</b> <i>Calculated</i>	3.43	3.0 -16.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE MONOCYTES COUNT(AMC)</b> <i>Calculated</i>	0.57	0.3 -1.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE EOSINOPHILS COUNTS(AEC)</b> <i>Calculated</i>	0.35	0.1 - 1.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE BASOPHILS COUNT(ABC)</b> <i>Calculated</i>	0.00		
<b>PLATELET COUNT</b> <i>Electrical Impedance</i>	400	150 - 400 10 <sup>3</sup> /μL	10 <sup>3</sup> /μL

  
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<b>Rept. Dt</b>	: 28-Sep-2024 11:53 AM	<b>Result No</b>	: RWL240906410
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010712
<b>Sample Type</b>	: WHOLE BLOOD		

### PERIPHERAL SMEAR (Leishman's Stain /Microscopy)

#### **RBC**

Normocytic hypochromic picture, anisocytosis

#### **WBC**

Normal in morphology, maturity and distribution

#### **PLATELETS**

Adequate

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<b>Rept. Dt</b>	: 28-Sep-2024 12:30 PM	<b>Result No</b>	: RWL240906422
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7010719
<b>Sample Type</b>	: WHOLE BLOOD		

**ESR**

**Parameters**

**Result**

**Reference Range**

**Units**

**ESR**

**30 \***

0 - 20

mm/1st hour

MODIFIED WESTERGREN'S  
METHOD

\*\*\* End Of Report \*\*\*



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