

## LABORATORY REPORT : HAEMATOLOGY

<b>Name</b>	: Mrs. BURRA DEEPIKA	<b>Age /Sex</b>	: 25Y Y(s)/FEMALE
<b>Bill Date</b>	: 24-Aug-2024 01:56 PM	<b>UMR No.</b>	: 652408000642
<b>Rec. Dt</b>	: 24-Aug-2024 03:11 PM	<b>Bill No.</b>	: MCB65240801480
<b>Rept. Dt</b>	: 24-Aug-2024 07:23 PM	<b>Result No</b>	: RWL240804393
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005480
<b>Sample Type</b>	:		

### CBP(COMPLETE BLOOD PICTURE)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>HEMOGLOBIN</b> <i>Photometric</i>	13.7	12.0 - 15.0	gms/dL
<b>R B C COUNT</b> <i>Electrical Impedance</i>	4.8	3.8 - 4.8 10 <sup>12</sup> /L	10 <sup>12</sup> /L
<b>PCV/HCT</b> <i>Calculated</i>	39.4	36 - 46	%
<b>MCV</b> <i>Calculated</i>	<b>81.0 *</b>	83 - 101	fl
<b>MCH</b> <i>Calculated</i>	28.1	27 - 32	pg
<b>MCHC</b> <i>Calculated</i>	34.7	31 - 37	g/dL
<b>RDW(cv)</b>	<b>14.2 *</b>	11.6 - 14.0 %	%
<b>TLC (TOTAL LEUCOCYTE COUNT)</b> <i>Impedance</i>	5.5	4.0 - 10.0	10 <sup>3</sup> /μl
<b><u>DIFFERENTIAL COUNT</u></b>			
<b>NEUTROPHILS</b> <i>DHSS/Microscopy</i>	46	40 - 80 %	
<b>LYMPHOCYTES</b> <i>DHSS/Microscopy</i>	<b>44 *</b>	20 - 40 %	
<b>MONOCYTES</b> <i>DHSS/Microscopy</i>	06	02 - 10 %	



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<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>	2.58	2.0 - 7.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE LYMPHOCYTES COUNT(ALC)</b> <i>Calculated</i>	2.45 *	3.0 -16.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE MONOCYTES COUNT(AMC)</b> <i>Calculated</i>	0.30	0.3 -1.0 10 <sup>9</sup> /L	10 <sup>9</sup> /L
<b>ABSOLUTE EOSINOPHILS COUNTS(AEC)</b> <i>Calculated</i>	0.22	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>	244	150 - 400 10 <sup>3</sup> /μL	10 <sup>3</sup> /μL

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

**RBC**

Normocytic normochromic picture

**WBC**

Prominence of lymphocytes

**PLATELETS**

Adequate



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<b>Rept. Dt</b>	: 24-Aug-2024 05:42 PM	<b>Result No</b>	: RWL240804392
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005480
<b>Sample Type</b>	:		

### ESR

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>ESR</b> MODIFIED WESTERGRENS METHOD	40 *	0 - 20	mm/1st hour

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## LABORATORY REPORT : CLINICAL PATHOLOGY

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<b>Rept. Dt</b> : 24-Aug-2024 07:23 PM	<b>Result No</b> : RWL240804458
<b>Ref By</b> : DR. Girish Loya	<b>Sample ID</b> : MCWWL7005512
<b>Sample Type</b> :	

### 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>	Yellow	PALE YELLOW	
<b>APPEARANCE</b>	Slightly Turbid	CLEAR	
<b><u>CHEMICAL EXAMINATION</u></b>			
<b>SPECIFIC GRAVITY</b> <i>Bromthymol blue</i>	1.030	1.000 - 1.030	
<b>PH</b> <i>Bromthymol blue</i>	5.0	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)	
<b>BILIRUBIN</b> <i>Diazonium salt/Fouchets test</i>	Nil	NIL (<0.5 mg/dL)	



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<b>Ref By</b> : DR. Girish Loya	<b>Sample ID</b> : MCWWL7005512
<b>Sample Type</b> :	

<b>NITRITE</b> <i>Sulfanilic acid</i>	Negative	NEGATIVE
 <b><u>MICROSCOPIC EXAMINATION</u></b>		
<b>PUS CELLS</b>	2-4	0 - 5 /hpf
<b>RBC</b>	4-6	0 - 5 /hpf
<b>EPITHELIAL CELLS</b>	10-12	0 - 5 <span style="float: right;">hpf</span>
<b>CRYSTALS</b>	Nil	NIL
<b>CASTS</b>	Nil	NIL
<b>OTHERS</b>	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.

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

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## LABORATORY REPORT : BLOOD BANK

<b>Name</b>	: Mrs. BURRA DEEPIKA	<b>Age /Sex</b>	: 25Y Y(s)/FEMALE
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<b>Rept. Dt</b>	: 24-Aug-2024 05:42 PM	<b>Result No</b>	: RWL240804391
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005479
<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 : BIOCHEMISTRY

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<b>Rept. Dt</b>	: 24-Aug-2024 05:15 PM	<b>Result No</b>	: RWL240804390
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<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>12.3 *</b>	16.6 - 48.5	mg/dL

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<b>Rept. Dt</b>	: 24-Aug-2024 05:15 PM	<b>Result No</b>	: RWL240804389
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<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	88		

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<b>Rept. Dt</b>	: 24-Aug-2024 05:05 PM	<b>Result No</b>	: RWL240804388
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<b>Sample Type</b>	:		

### SERUM URIC ACID

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>SERUM URIC ACID</b> <i>uricase</i>	4.9	2.4-5.7	mg/dL

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<b>Rept. Dt</b> : 24-Aug-2024 05:05 PM	<b>Result No</b> : RWL240804387
<b>Ref By</b> : DR. Girish Loya	<b>Sample ID</b> : MCWWL7005478
<b>Sample Type</b> : SERUM	

### LFT(LIVER FUNCTION TEST)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>TOTAL BILIRUBIN</b> <i>DIAZO</i>	0.3	<1.2	mg/dL
<b>DIRECT BILIRUBIN</b> <i>DIAZO</i>	0.2	<=0.20	mg/dL
<b>INDIRECT BILIRUBIN</b> <i>Calculated</i>	0.1	<=1.0	mg/dL
<b>SGPT (ALT)</b> <i>UV without P5P</i>	8	<=33	U/L
<b>SGOT (AST)</b> <i>UV without P5P</i>	14	<= 32	U/L
<b>ALKALINE PHOSPHATASE (ALP)</b> <i>PNPP, AMP Buffer - IFCC Ref.</i>	121 *	35 - 105	U/L
<b>TOTAL PROTEINS</b> <i>Biuret method</i>	7.5	6.0 - 8.0 g/dL	g/dL
<b>SERUM ALBUMIN</b> <i>Bromcresol Green (BCG)</i>	4.8	3.5 - 5.2 g/dL	g/dL
<b>GLOBULINS</b> <i>Calculated</i>	2.7	2.5 - 3.5 g/dL	g/dL
<b>A/G RATIO</b> <i>Calculation</i>	1.77	1.2 - 2.5	

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<b>Rept. Dt</b>	: 24-Aug-2024 04:06 PM	<b>Result No</b>	: RWL240804386
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<b>Sample Type</b>	: SERUM		

### T3,T4 AND TSH

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>T3</b> ECLIA	1.27	0.8 - 2.0	ng/mL
<b>T4</b> ECLIA	8.96	5.1 - 14.1	ug/dL
<b>TSH(THYROID STIMULATING HORMONE)</b> ECLIA	1.93	0.270 - 4.20	uIU/mL

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<b>Rept. Dt</b>	: 24-Aug-2024 05:05 PM	<b>Result No</b>	: RWL240804385
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<b>Sample Type</b>	:		

### SERUM CREATININE

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>CREATININE</b> <i>Jaffe</i>	0.67	0.5 - 0.9	mg/dL

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<b>Rept. Dt</b> : 24-Aug-2024 05:05 PM	<b>Result No</b> : RWL240804382
<b>Ref By</b> : DR. Girish Loya	<b>Sample ID</b> : MCWWL7005477
<b>Sample Type</b> : SERUM	

### HBA1C (GLYCOSYLATED HAEMOGLOBIN)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>HBA1C</b> <i>HPLC</i>	5.2	" Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 %	

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<b>Rept. Dt</b>	: 24-Aug-2024 05:15 PM	<b>Result No</b>	: RWL240804384
<b>Ref By</b>	: DR. Girish Loya	<b>Sample ID</b>	: MCWWL7005478
<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>	88	Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126	mg/dL

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<b>Sample Type</b> : SERUM	

### HBA1C (GLYCOSYLATED HAEMOGLOBIN)

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>HBA1C</b> <i>HPLC</i>	5.2	" Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 %	

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