



**LABORATORY REPORT : BIOCHEMISTRY**

<b>Name</b>	: Mrs. M KUSUMA JANAKI	<b>Age /Sex</b>	: 36Y Y(s)/FEMALE
<b>Bill Date</b>	: 28-Sep-2024 09:57 AM	<b>UMR No.</b>	: 52409001847
<b>Rec. Dt</b>	: 28-Sep-2024 10:59 AM	<b>Bill No.</b>	: MCB05240908493
<b>Rept. Dt</b>	: 28-Sep-2024 12:54 PM	<b>Result No</b>	: RUR240935998
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<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	157		

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



**DR.DEVANUR SREELATHA**  
**CONSULTANT BIOCHEMIST**



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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936003
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<b>Sample Type</b>	: SERUM		

**SERUM URIC ACID**

<b><u>Parameters</u></b>	<b><u>Result</u></b>	<b><u>Reference Range</u></b>	<b><u>Units</u></b>
<b>SERUM URIC ACID</b> <i>uricase</i>	3.6	3.5 - 7.2 mg/ dL	mg/dL

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



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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936004
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<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>	0.7	<1.2	mg/dL
<b>DIRECT BILIRUBIN</b> <i>DIAZO</i>	0.1	<=0.20	mg/dL
<b>SGPT (ALT)</b> <i>UV KINETIC WITH P5P</i>	23	0.0 - 50.0 U/L	U/L
<b>ALKALINE PHOSPHATASE (ALP)</b> <i>PNPP, AMP Buffer - IFCC Ref.</i>	78	35 - 105	U/L
<b>SGOT (AST)</b> <i>UV without P5P</i>	16	<= 32	U/L
<b>TOTAL PROTEINS</b> <i>Biuret method</i>	<b>8.7 *</b>	6.4 - 8.2 g/dL	g/dL
<b>SERUM ALBUMIN</b> <i>Bromcresol Green (BCG)</i>	4.7	3.5 - 5.2 g/dL	g/dL

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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936005
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<b>Sample Type</b>	: SERUM		

**T3,T4 AND TSH**

<b><u>Parameters</u></b>	<b><u>Result</u></b>	<b><u>Reference Range</u></b>	<b><u>Units</u></b>
<b>T3</b> ENZYME LINKED FLUORESCENCE ASSAY	114.8	55-205 ng/dL	ng/dL
<b>T4</b> ENZYME LINKED FLUORESCENCE ASSAY	9.87	3.5 - 12.50 ng/dL	ng/dL
<b>TSH(THYROID STIMULATING HORMONE)</b> ENZYME LINKED FLUORESCENCE ASSAY	1.07	0.25 - 5.5 u I U/mL	u I U/mL

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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936006
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<b>Sample Type</b>	: SERUM		

**SERUM CREATININE**

<b><u>Parameters</u></b>	<b><u>Result</u></b>	<b><u>Reference Range</u></b>	<b><u>Units</u></b>
<b>CREATININE</b> <i>Jaffe</i>	0.6	0.5 - 1.5	mg/dL

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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936007
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028489
<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>	115 *	Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126	mg/dL

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



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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936008
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<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>	168	Desirable : : < 200 mg/dL Borderline High : : 200 - 239 mg/dL High risk : > 240 mg/dL	mg/dL
<b>SERUM TRYGLYCERIDES</b> <i>Enzymatic colorimetric</i>	69	< 150 mg/dL Borderline High : 150 - 199 mg/dL High : 200 - 499 mg/dL	mg/dL
<b>HDL CHOLESTEROL</b> <i>Homogeneous enzymatic colorimetric</i>	60	Low : : < 40 mg/dL High : : > 60 mg/dL	mg/dL
<b>LDL CHOLESTEROL</b> <i>Direct-Enzymatic colorimetric</i>	94	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>	14	2 - 30 mg/dL	mg/dL

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



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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936009
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028490
<b>Sample Type</b>	: SERUM		

**HBA1C (GLYCOSYLATED HAEMOGLOBIN)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>HBA1C</b> HPLC	<b>6.3 *</b>	" Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 %	

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



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<b>Rept. Dt</b>	: 28-Sep-2024 12:15 PM	<b>Result No</b>	: RUR240936010
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028484
<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>	27	16.6 - 48.5	mg/dL
<b>BUN (Blood Urea Nitrogen.)</b>	8.6		

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



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**LABORATORY REPORT : BLOOD BANK**

<b>Name</b>	: Mrs. M KUSUMA JANAKI	<b>Age /Sex</b>	: 36Y Y(s)/FEMALE
<b>Bill Date</b>	: 28-Sep-2024 09:57 AM	<b>UMR No.</b>	: 52409001847
<b>Rec. Dt</b>	: 28-Sep-2024 10:59 AM	<b>Bill No.</b>	: MCB05240908493
<b>Rept. Dt</b>	: 28-Sep-2024 12:14 PM	<b>Result No</b>	: RUR240936001
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028487
<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>	A+VE		
<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>Rept. Dt</b>	: 28-Sep-2024 12:13 PM	<b>Result No</b>	: RUR240936002
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028488
<b>Sample Type</b>	: URINE		

**CUE(COMPLETE URINE EXAMINATION)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>COLOUR</b>	PALE YELLOW	PALE YELLOW	
<b>PH</b> <i>Bromthymol blue</i>	6.5	5.0 - 8.0	
<b>SPECIFIC GRAVITY</b> <i>Bromthymol blue</i>	1.015	1.000 - 1.030	
<b>KETONE</b> <i>Sodium nitroprusside/Rothera's test.</i>	NEGATIVE	NIL (<5 mg/dL)	
<b>BLOOD</b> <i>DIPSTICK</i>	NEGATIVE		
<b>GLUCOSE</b> <i>Glucose oxidase Peroxidase/Benedict's test</i>	NIL	NIL (<25 mg/dL)	
<b>PROTEIN</b>	NIL	NIL	

**MICROSCOPIC EXAMINATION**

<b>PUS CELLS</b>	2-3	0 - 5 /hpf	
<b>RBC</b>	NIL	0 - 5 /hpf	
<b>EPITHELIAL CELLS</b>	1-2	0 - 5	hpf

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## LABORATORY REPORT : CLINICAL PATHOLOGY

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<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028488
<b>Sample Type</b>	: URINE		

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

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**LABORATORY REPORT : HAEMATOLOGY**

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<b>Rept. Dt</b>	: 28-Sep-2024 12:13 PM	<b>Result No</b>	: RUR240935999
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028485
<b>Sample Type</b>	: WHOLE BLOOD		

**CBP(COMPLETE BLOOD PICTURE)**

<u>Parameters</u>	<u>Result</u>	<u>Reference Range</u>	<u>Units</u>
<b>WBC</b> <i>Automated cell counter</i>	7,500	4000 - 11000 cells / cumm	cells / cumm
<b>RBC</b> <i>Automated Cell Counter cyanmethemoglobin</i>	5.22	3.9 - 5.0	milli/cumm
<b>HEMOGLOBIN</b> <i>Photometric</i>	14.1	11.5 - 15.5	gms/dL
<b>PCV/HCT</b> <i>Calculated</i>	<b>47.6 *</b>	37 - 52	%
<b>MCV</b> <i>Calculated</i>	91	83 - 101	fl
<b>MCH</b> <i>Calculated</i>	27.0	27 - 32	pg
<b>MCHC</b> <i>Calculated</i>	<b>29.6 *</b>	31 - 37	g/dL
<b>PLATELET COUNT</b> <i>Electrical Impedance</i>	370	150 - 400 10 <sup>3</sup> /μL	
<b>RDW(cv)</b>	<b>11.2 *</b>	11.6 - 14.0 %	%
<b>MPV</b>	7.9	7.5 - 11.5 fl	fl
<b>NEUTROPHILS</b> <i>DHSS/Microscopy</i>	53.3	40 - 80 %	

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<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028485
<b>Sample Type</b>	: WHOLE BLOOD		

<b>LYMPHOCYTES</b> <i>DHSS/Microscopy</i>	<b>41.4 *</b>	20 - 40 %	
<b>MONOCYTES</b> <i>DHSS/Microscopy</i>	2.6	02 - 10 %	
<b>EOSINOPHILS</b> <i>DHSS/Microscopy</i>	2.2	1.0-6.0	%
<b>BASOPHILS</b> <i>DHSS/Microscopy</i>	0.5	00 - 01 %	

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<b>Rept. Dt</b>	: 28-Sep-2024 12:13 PM	<b>Result No</b>	: RUR240936000
<b>Ref By</b>	: Dr. Sarayu Sankepally	<b>Sample ID</b>	: MCKKU2028486
<b>Sample Type</b>	: WHOLE BLOOD		

**ESR**

**Parameters**

**Result**

**Reference Range**

**Units**

**ESR**

08

0 - 20

mm/1st hour

MODIFIED WESTERGREN'S  
METHOD

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

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