

## INTER LAB COMPARISON REPORT - 15-02-2020

<b>BIO CHEMISTRY</b>					
TEST NAME	BMC LAB VALUES	METROPOLIS LAB VALUES	+/- DEVIATION	REASON	ACTION TAKEN
GLUCOSE	87	88	-1		
CREATININE	0.7	0.6	+0.1		
UREA	29	32	-3		
BUN	15	14	+01		
URIC ACID	2.9	2.8	+0.1		
SODIUM	139	141	-2	Due to	
POTASSIUM	4.2	4.3	-0.1	transport	NO action
CHLORIDE	106	104	+2	error	Required
CALCIUM	9.8	9.7	+0.1		
T. BILIRUBIN	0.31	0.33	-0.02		
D.BILIRUBIN	0.18	0.15	+0.03		
I.BILIRUBIN	0.13	0.18	-0.05		
ALKALINE PHOSPHATASE	74	74	0		
GAMMA GT	12	10	+2		
SGOT	20	19	+1		
SGPT	10	9.4	+0.6		
T. PROTEIN	8.0	7.9	+0.1		
ALBUMIN	5.0	5.1	-0.1		
GLOBULIN	3.0	2.8	+0.2		
CHOLESTEROL	143	141	+3		
TRYGLYCERIDE	50	47	+3		
HDL	37.5	37.7	-0.2		
LDL	94.5	94.8	-0.3		



# Balaji Medical Centre



An ISO 9001 : 2015 Accredited Organization

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No.38, Manikodi Srinivasan Nagar Main Road, Rajiv Gandhi Salai, Perungudi, Chennai-600 096. INDIA. ☎ : +91 044-2986 5513 / 14  
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**KOCHI** : No.42 / 1898, Old Railway Station Road, Ernakulam North, Kochi - 682 018. INDIA. ☎ : +91 0484-2395006 / 07 / 08  
**VIZAG** : Door No.39-11- 63/4-1, Murali Nagar, Visakhapatnam, Andhra Pradesh-530 007. INDIA. ☎ : +91 0891-2710299 / 399  
**MANGALORE** : Shop No.5, Door No.1-65/31, Kulur-Kavoor, Airport Road, Vivek Nagar, Panjimogaru, Mangalore-575 013. INDIA ☎ : 0824-2972719 / 20

## LABORATORY REPORT

Name : Ms. Sowmya Date : 15/02/2020  
Age : 22 Yrs Sex : Female  
Ref By : DR.A.H.BALAJI, MBBS.,FCIP.,PGDPC.,PGDHSC,PGCIH

<u>Tests</u>	<u>Value/Results</u>	<u>Units</u>	<u>Reference Interval</u>
<b><u>BIO-CHEMISTRY</u></b>			
Serum Glucose (R)	: 87.0	mg/dl	80-120
Creatinine	: 0.7	mg/dl	0.2 - 1.2
Urea	: 34.0	mg/dl	15-40
Uric Acid	: <b><u>2.9</u></b>	mg/dl	4.7-6.1
Bun	: 15	mg/dl	6-21
Sodium	: 139	mEq/L	135 - 145
Potassium	: 4.2	mEq/L	3.5-5.0
Chloride	: <b><u>106.0</u></b>	mEq/L	95-103
Calcium	: 9.8	mg/dL	8.7-10.3

Dr. AKSHATHA DINAKAR  
Reg. No.121906  
DGS Approval No.KA/MG/04/2018



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## LABORATORY REPORT

Name : Ms. Sowmya

Date : 15/02/2020

Age : 22yrs

Sex : Female

Ref By : DR. A.H.BALAJI., MBBS, FCIP, PGDPC, PGDHSC, PGCIH

### LIVER FUNCTION TEST

TEST	PATIENT'S	UNITS	NORMAL RANGE	
	VALUES		FROM	TO
Serum Bilirubin (Total)	0.31	mg/dl	0.2	1.2
Serum Bilirubin (Direct)	0.18	mg/dl	-	<0.3
Serum Bilirubin (Indirect)	0.13	mg/dl	0.1	1
S. Akaline Phosphatas	74	U/L	-	<150
Serum Gamma G.T.	12.0	U/L	4	40
Serum G. P. T.	10.0	U/L	10	40
Serum G. O. T.	20.0	U/L	10	42
Serum Total Proteins	<b>8.0</b>	gm/dl	6.0	7.8
Albumin	5.0	gm/dl	3.5	5.0
Globulin	3.0	gm/dl	2.3	3.5
Albumin: Globulin Ratio	1.6	-	-	-

  
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 Age : 22 yrs Sex : Female  
 Ref By : DR.A.H. BALAJI.,MBBS.,FCIP.,PGDPC.,PGDHSC.,PGCIH

Test Name	Result	Units	Ref.Interval
<b>LIPID SCREEN, SERUM (Spectrophotometry)</b>			
Cholesterol	143.00	mg/dL	(<200.00)
Triglycerides	50.00	mg/dL	(<150.00)
HDL Cholesterol	37.5	mg/dL	(<40.00)
LDL Cholesterol, Calculated	94.5	mg/dL	(<100.00)
VLDL Cholesterol, Calculated	10.0	mg/dL	(<30.00)

### Note:

- Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total cholesterol, Triglycerides, HDL & LDL Cholesterol.
- ATP III recommends a complete lipoprotein profile as the initial test for evaluating cholesterol.
- Friedewald equation to calculate LDL cholesterol is most accurate when Triglyceride level is <400 mg/dL. Measurement of Direct LDL cholesterol is recommended when Triglyceride level is >400 mg/dL.

INTERPRETATION	TOTAL CHOLESTEROL in mg/dL	Triglyceride in mg/dL	LDL CHOLESTEROL in mg/dL
Optimal	< 200	<150	<100
Above Optimal	-	-	100-129
Boderline High	200-239	150-199	130-159
High	>=240	200-499	160-189
Very High	-	>=500	>=190

Dr. AKSHATHA DINAKAR  
 Reg. No.121906  
 DGS Approval No.KA/MG/04/2018



SOWMYA

PID NO: P149190033872

Age: 22 Year(s) Sex: Female



**Reference:**

Sample Collected At:  
BALAJI MEDICAL CENTRE  
SHOP NO 5, DOOR NO 1-65/31, KULUR  
KAVOOR AIRPORT ROAD, VIVEK  
NAGAR, MANGALORE-575013.  
575013

VID: 149190133895

Registered On:  
15/02/2020 01:04 PM  
Collected On:  
15/02/2020 1:18 PM  
Reported On:  
15/02/2020 04:40 PM

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<b><u>Liver Function Test-2(Mini)</u></b>			
<b><u>Proteins</u></b>			
<b>Total Protein</b> (Serum, Biuret)	7.95	g/dL	6.4-8.3
<b>Albumin</b> (Serum, Bromocresol green)	5.13	g/dL	3.5-5.2
<b>Globulin</b> (Serum, Calculated)	2.82	g/dL	2.3-3.5
<b>A/G Ratio</b> (Serum, Calculated)	<u>1.8</u>	%	0.8-1.5
<b><u>Bilirubin Total, Direct, Indirect Serum</u></b>			
<b>Bilirubin-Total</b> (Serum, Calorimetric Diazo)	0.33	mg/dL	0.3-1.2
<b>Bilirubin-Direct</b> (Serum, Diazo)	0.15	mg/dL	0-0.2
<b>Bilirubin- Indirect</b> (Serum, Calculated)	0.18	mg/dL	0-2.0
<b>Alanine Aminotransferase - SGPT</b> (Serum, IFCC without pyridoxal phosphate)	9.4	IU/L	< 34
<b>Aspartate Aminotransferase - SGOT</b> (Serum, IFCC without pyridoxal phosphate)	19.1	U/L	< 31
<b>Alkaline Phosphatase</b> (Serum, pNPP)	74	IU/L	36-124
<b>Gamma GT (GGTP)</b> (Serum, L-Gamma-glutamyl-3-carboxy -4 - nitroanalyte substrate, IFCC)	10	IU/L	< 38
<b>Glucose fasting</b> (Plasma-F, Hexokinase)	88	mg/dL	Normal: 70-100 Impaired Fasting Glucose(IFG): 100-125 Diabetes mellitus: >= 126 (on more than one occasion) (American diabetes association guidelines 2017)
<b>Calcium</b> (Serum, Calcium-NM-BAPTA Complex)	9.7	mg/dL	8.4-10.2



SOWMYA

PID NO: P149190033872

Age: 22 Year(s) Sex: Female



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NAGAR, MANGALORE-575013.  
575013

VID: 149190133895

Registered On:  
15/02/2020 01:04 PM  
Collected On:  
15/02/2020 1:18PM  
Reported On:  
15/02/2020 04:40 PM

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<b><u>Renal (Kidney) Function Tests-2 RFT Mini</u></b>			
<b>Creatinine</b> (Serum, Kinetic colorimetric assay (Jaffe))	0.68	mg/dL	0.6-1.1
<b>BUN-Blood Urea Nitrogen</b> (Serum, Urease)	11.7	mg/dL	7-18.7
<b>Remark:</b> In blood, Urea is usually reported as BUN and expressed in mg/dl. BUN mass units can be converted to urea mass units by multiplying by 2.14.			
<b><u>Electrolytes</u></b>			
<b>Sodium</b> (Serum, ISE)	141	mmol/L	136-145
<b>Potassium</b> (Serum, ISE)	4.3	mmol/L	3.5-5.1
<b>Chlorides</b> (Serum, ISE Indirect)	104	mmol/L	98-107
<b><u>Proteins</u></b>			
<b>Total Protein</b> (Serum, Biuret)	7.95	g/dL	6.4-8.3
<b>Albumin</b> (Serum, Bromocresol green)	5.13	g/dL	3.5-5.2
<b>Globulin</b> (Serum, Calculated)	2.82	g/dL	2.3-3.5
<b>A/G Ratio</b> (Serum, Calculated)	<u>1.8</u>	%	0.8-1.5
<b>Uric Acid</b> (Serum, Uricase)	2.8	mg/dL	2.6-6
<b>UREA</b>	32	mg/dL	15-45



SOWMYA

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NAGAR, MANGALORE-575013.  
575013

**VID: 149190133895**

Registered On:  
15/02/2020 01:04 PM  
Collected On:  
15/02/2020 1:18PM  
Reported On:  
15/02/2020 03:19 PM

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<b><u>Lipid Profile-2</u></b>			
<b>Cholesterol-Total</b> (Serum, Enzymatic Colorimetric)	141.9	mg/dL	Desirable: < 200 Borderline High: 200-239 High: >= 239
<b>Triglycerides</b> (Serum, Enzymatic)	47	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
<b>HDL Cholesterol</b> (Serum, Homogenous enzymatic colorimetric assay)	<u>37.7</u>	mg	40-59
<b>Non HDL Cholesterol</b> (Serum, Enzymatic)	104.2	mg/dL	Optimal: < 130 Desirable: 130-159 Borderline high: 159-189 High: 189-220 Very High: >= 220
<b>LDL Cholesterol</b> (Serum, Homogeneous)	94.8	mg/dL	Optimal: < 100 Near / Above Optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190
<b>VLDL Cholesterol</b> (Serum, Calculated)	9.4	mg/dL	<= 30
<b>LDL/HDL RATIO</b> (Serum, Enzymatic)	2.51		2.5-3.5
<b>CHOL/HDL RATIO</b> (Serum, Enzymatic)	3.76		3.5-5

**Note:** Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

VLDL, CHOL/HDL RATIO, LDL/HDL RATIO, LDL Cholesterol, serum, Non HDL Cholesterol are calculated parameters

**Reports to follow - Kindly await following pending reports :**

<u>Investigation :</u>	<u>Status</u>
BUN-Blood Urea Nitrogen	Pending
Calcium	Pending
Creatinine	Pending
Electrolytes	Pending
Proteins	Pending
Uric Acid	Pending

**-- End of Report --**

Page 3 of 3  
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