



**SRI SELLAM**  
**Clinical Lab**

113/4, Sulthanpet  
Near Panchamuga Vinayagar Kovil  
P. Velur - 638182, Namakkal Dt.  
Off : 04268-222750  
Off : 7373734265  
E-mail : srisellamlab@gmail.com

**R. Muthusamy B.Sc., Bio Chemist**

**Mobile : 94423 34265, 73730 34265**

**TO WHOMSOEVER ~~REPORT~~ MAY CONCERN**

Dear Madam,


We performed the Inter lab comparison and internal quality assurance for our laboratory. Internal quality assurance report value and Inter lab comparison report value variation is acceptable performance. We have attached corrective action report (**Ref Format Number/SSCL/36, Rev No: 01, Date:10-09-2020**). Kindly accept our request and make us favour.

Thank you

Yours Sincerely

Muthusamy R  
Proprietor  
Sri Sellam Clinical Lab

**SRI SELLAM CLINICAL LAB**  
113/4, Sulthanpet  
Near Panchamuga Vinayagar Kovil  
P. VELUR - 638182, Namakkal Dt.  
Cell: 94423-34265

	<b>SRI SELLAM CLINICAL LAB</b>	FORMAT NUMBER: F/SSCL/36
	<b>PROCESS NON-CONFORMITY AND CORRECTIVE ACTION REPORT</b>	Rev.No:01, Rev.Date:10-09-2020

Report No. : 01	Date: 14-08-2020
Department/ Section: Testing ( Bio Chemistry )	
<b>PROCESS NON-CONFORMITY (NC) STATEMENT:</b>	
<p>Our lab External Quality Assurance Scheme report value is Unacceptable performance.</p> <p style="text-align: right;"><i>R. Muthu</i> 15/08/2020 Signature of lab in-charge &amp; date</p>	
<b>CORRECTIVE ACTION PROPOSED:</b>	
<ol style="list-style-type: none"> <li>1. We do the internal quality assurance for our laboratory.</li> <li>2. We do the Inter lab comparison for LISTER METROPOLIS laboratory.</li> <li>3. We performed the September Month EQAS for CMC.</li> </ol> <p style="text-align: right;"><i>R. Muthu</i> 15/08/2020 Signature of lab in-charge &amp; date</p>	
<b>RESPONSIBILITY &amp; TIME REQUIRED FOR CORRECTIVE ACTION:</b>	
<p>Mr. R. Muthusamy, Lab Incharge is taken the responsibility and target date is 25-09-2020.</p> <p style="text-align: right;"><i>R. Muthu</i> 15/08/2020 Signature of lab in-charge &amp; date</p>	
<b>ROOT CAUSE:</b>	
<ol style="list-style-type: none"> <li>1. We do the performed well. but variation in the reagents used in measurement procedures may influence participant assessment in EQAS</li> </ol> <p style="text-align: right;"><i>R. Muthu</i> 15/08/2020 Signature of lab in-charge &amp; date</p>	
<b>CORRECTIVE ACTION TAKEN:</b>	
<ol style="list-style-type: none"> <li>1. We have done the internal quality assurance for our laboratory. Internal quality assurance report attached. IQA date is 23-09-2020.</li> <li>2. We have done the Inter lab comparison for LISTER METROPOLIS laboratory. Inter lab Comparison report attached. ILC date is 22-09-2020</li> </ol> <p style="text-align: right;"><i>R. Muthu</i> 23/09/2020 Signature of lab in-charge &amp; date</p>	
<b>CORRECTIVE ACTION VERIFIED &amp; COMMENTS, IF ANY</b>	
<ol style="list-style-type: none"> <li>1. Internal quality assurance report and Inter lab comparison report value variation is acceptable performance.</li> <li>2. September Month EQAS for CMC report are value variation is acceptable performance.</li> </ol> <p style="text-align: right;"><i>R. MUTHUSAMY</i> <i>R. Muthu</i> 23/09/2020 Signature of Person responsible for management system &amp; date</p>	



Mr. MUTHUSAMY

PID NO: P712000016927  
Age: 43 Year(s) Sex: Male



Reference:

Sample Collected At:  
SRI SELLAM CLINICAL LAB  
Near Panchamuga Vinayagar Koil,  
638182

VID: 712010012521

REPORT

Registered On:  
22/09/2020 05:19 PM  
Collected On:  
22/09/2020 5:19PM  
Reported On:  
23/09/2020 06:40 PM

Investigation	Observed Value	Unit	Biological Reference Interval
<b>Glucose fasting</b> (Plasma-F,GOD/POD)	99	mg/dL	Normal: < 100 Impaired Tolerance: 100-125 Diabetes mellitus: >= 126 (on more than one occassion) (American diabetes association guidelines 2014)
<b>BUN-Blood Urea Nitrogen</b> (Serum,Uricase UV)	9.0	mg/dL	8.9-20.6
<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>Creatinine</b> (Serum,Modified Jaffe's)	1.05	mg/dL	0.72-1.25
<b>Uric Acid</b> (Serum,Uricase/ Peroxidase)	<b>8.0</b>	mg/dL	3.5-7.2
<b>Calcium</b> (Serum,Arsenazo III dye)	9.0	mg/dL	8.4-10.2
<b>Phosphorous</b> (Serum,Ammonium Molybdate UV)	3.0	mg/dL	2.3-4.7
<b>Electrolytes</b> (Serum,ISE)			
<b>Sodium</b>	141	mmol/L	136-145
<b>Potassium</b>	4.2	mmol/L	3.5-5.1
<b>Chlorides</b>	105	mmol/L	98-107

Dr. K. Anbu Lenin.,Md Pathology  
MD (Pathology).





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<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, Chol. Esterase/Oxidase)	<u>220</u>	mg/dL	Desirable: < 200 Borderline High: 200-239 High: >= 240
<b>Triglycerides level</b> (Serum, PAP)	103	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
<b>HDL Cholesterol</b> (Serum, Accelerator Selective Detergent)	<u>32</u>	mg/dL	Major risk factor for heart disease: < 40 Negative risk factor for heart disease: >= 60
<b>Non HDL Cholesterol</b> (Serum, Enzymatic)	<u>188.0</u>	mg/dL	Optimal: < 130 Desirable: 130-159 Borderline high: 159-189 High: 189-220 Very High: >= 220
<b>LDL Cholesterol</b> (Serum, Enzymatic)	<u>167.4</u>	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190
<b>VLDL Cholesterol</b> (Serum, Enzymatic)	20.6	mg/dL	6-38
<b>LDL/HDL RATIO</b> (Serum, Enzymatic)	<u>5.23</u>		2.5-3.5
<b>CHOL/HDL RATIO</b> (Serum, Enzymatic)	6.88		3.5-5

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

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MD (Pathology).



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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<b><u>Bilirubin Total, Direct, Indirect Serum</u></b>			
<b>Bilirubin-Total</b> (Serum, Di Chloro Aniline)	<u>1.92</u>	mg/dL	0.2-1.2
<b>Bilirubin-Direct</b> (Serum, Di Chloro Aniline)	0.50	mg/dL	0.0-0.5
<b>Bilirubin- Indirect</b> (Serum, Calculated)	<u>1.42</u>	mg/dL	0.1-1.0
<b>SGOT (AST)</b> (Serum, IFCC without P5P)	20.9	U/L	0-35
<b>SGPT (ALT)</b> (Serum, IFCC without P5P)	31.2	U/L	0-45
<b>Alkaline Phosphatase</b> (Serum, IFCC)	125.7	U/L	40-150
<b>Gamma GT (GGTP)</b> (Serum, Szaz Carbo oxalate substrate)	31.9	U/L	12-64
<b><u>Proteins</u></b>			
<b>Total Protein</b> (Serum, Biuret)	6.94	g/dL	6.4-8.3
<b>Albumin</b> (Serum, Bromocresol green)	4.09	g/dL	3.5-5.2
<b>Globulin</b> (Serum)	2.85	g/dL	1.8-3.6
<b>A/G Ratio</b> (Serum)	1.44		1.1-2.2

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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<b>Amylase level</b> (Serum,Enzymatic)	97	U/L	28-100

**Interpretation:**

1. Amylase levels are significantly increased in patients with acute pancreatitis, pancreatic duct obstruction, carcinoma pancreas, ovaries, or lungs, cholecystitis, macroamylasemia, renal disease, pancreatic pseudocyst, procedures like Endoscopic retrograde cholangiopancreatography and acute alcohol poisoning.
2. In acute pancreatitis, elevated amylase levels usually parallel lipase concentrations, although lipase levels may take a bit longer to rise than blood amylase levels and will remain elevated longer.
3. Amylase levels are raised in aspirin, diuretics, oral contraceptives, corticosteroids, indomethacin, ethyl alcohol and opiate intake.

-- End of Report --



*V. Kavita*

Dr. Kavita V  
MD, DIP NB

# Internal Quality Assurance Report

10/2020  
September 2020  
Leicester - 26451.100

S. no	Test name	1st QC	2nd QC	Low Range	High Range	9/9/2020 19/9/2020 27/9/2020		
						QC	QC	QC
1	Sugar	250.8	27.5	72.4	102	83.4	74.2	75.4
2	Urea	131.1	33.6	28.8	38.4	32.9	49.8	29.7
3	Creatinine	1.4	2.28	1.82	2.23	2.2	2.1	2.2
4	Uric acid	4.20	4.71	4.08	5.25	5.6	6.05	5.6
5	cholesterol	115.5	251	227	276	265.8	248.5	266
6	Triglycerides	119.8	196	173	330	187.6	192.4	203
7	Hdl	30.90	72.4	56	88.2	53.8	62.2	57
8	Total Bilirubin	5.12	1.06	0.8	1.2	1.03	1.12	1.06
9	Direct Bilirubin	0.92	0.40	0.30	0.48	0.55	0.65	0.9
10	Sero T	258.6	42.2	34.4	49.1	46.0	42.8	45
11	BUNP T	115.8	28.6	22.4	34.2	30.1	14.9	30
12	ALP	69.5	113	83.9	141	125.5	157.0	123
13	ALT T	19.8	60	47.2	72.8	59.5	78.5	60
14	protein	5.76	6.5	5.89	7.15	6.3	6.4	5.8
15	Albumin	3.36	4.0	3.64	4.58	4.22	4.5	4.1
16	calcium	12.4						
17	phosphorus	6.6						
18	amylase	189						
19	CK	10			8			
20	lipase	3.9						
21	uric	157						
22	k	6.1						
23	G	12.4						

H. Smith  
 HILL CLIFF CENTRAL  
 Hill Cliffs Hospital  
 Hill Cliffs Hospital  
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 Hill Cliffs Hospital

## LAB MONTHLY SUMMARY

Lab Name **SRI SELLAM CLINICAL LAB**Lab No **13599**Month **September**Year **2020**Constituent Group **Chemistry I**Date of Result Entered : **10/09/2020**Date of Report Published : **07/10/2020**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Mindray	165	241.07	6.78	16.34	250 mg/dl	0.55	2.54
2	UREA	UREASE UV / GLDH	Mindray	163	137.22	8.80	12.08	131 mg/dl	-0.51	1.89
3	CREATININE	JAFFE RATE-BLANKED & COMPENSATED/Alkaline Picrate	Biosystems	207	1.43	12.04	0.17	1.4 mg/dl	-0.17	0.02
4	T.BILIRUBIN	DIAZONIUM SALT ( Colorimetric) /JENDRASSIK	Mindray	124	5.32	8.80	0.47	5.1 mg/dl	-0.47	0.08
5	T-PROTEIN	BIURET - colorimetric	Mindray	161	5.33	6.10	0.32	5.7 g/dl	1.14	0.05
6	ALBUMIN	BCG - colorimetric	Mindray	162	3.33	7.70	0.26	3.3 g/dl	-0.12	0.04
7	CALCIUM	ARSENAZO III	Biosystems	134	11.23	9.36	1.05	12.4 mg/dl	1.11	0.18
8	PHOSPHORUS	Molybdate UV/ Phosphomolybdate complex	Biosystems	79	7.05	10.14	0.72	6.6 mg/dl	-0.63	0.16
9	URIC ACID	ENZYMATIC / URICASE Colorimetric	Mindray	134	7.22	6.93	0.50	9.2 mg/dl	3.96	0.09
10	CHOLESTEROL	CHOD-PAP	Mindray	158	109.57	8.74	9.57	115 mg/dl	0.57	1.52
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	155	97.98	12.22	11.98	119 mg/dl	1.75	1.92
12	HDL CHO	DIRECT METHOD / Enzymatic colorimetric	Mindray	107	24.51	11.16	2.74	20 mg/dl	-1.65	0.53
13	SODIUM	ISE - Direct	Mindray	25	140.56	3.08	4.33	137 mmol/L	-0.82	1.73
14	POTASSIUM	ISE - Direct	Any Analyser	124	4.22	6.37	0.27	4.2 mmol/L	-0.07	0.05
15	CHLORIDE	ISE - Direct	Any Analyser	100	110.27	4.73	5.21	113 mmol/L	0.52	1.04
16	BICARBONATE	ENZYMATIC - PEPC ( Phosphoenolpyruvate)	Biosystems	19	21.71	18.24	3.96	21 mmol/L	-0.18	1.82
17	AST	UV-Kinetic without PLP (P-5-P)	Mindray	147	238.06	10.85	25.83	258 U/L	0.77	4.26
18	ALT	UV-Kinetic without PLP (P-5-P)	Mindray	148	117.15	15.60	18.28	113 U/L	-0.23	3.00
19	ALP	PNP AMP KINETIC	Mindray	97	69.47	17.76	12.34	69 U/L	-0.04	2.51
20	AMYLASE	CNPG3	Biosystems	101	161.12	13.78	22.20	189 U/L	1.26	4.42



21	MAGNESIUM	OTHERS ( Any Other Principles / Methods )	Any Analyser	107	3.29	18.25	0.60	3.9 mg/dl	1.02	0.12
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SDI Range	Interpretation
Within -1.0 to +1.0	Excellent.
Between $\pm 1.0$ to $\pm 2.0$	Good.
Between $\pm 2.0$ to $\pm 3.0$	Accept with caution. Warning Signal.
Beyond $\pm 3.0$	Unacceptable performance. Action Signal.

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential

Contact details:

Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)

Contact Number: 0416-2283102

*Pamela Christudoss*

**Dr. Pamela Christudoss**  
**CMC EQAS Co-Ordinator**  
**Christian Medical College, Vellore**

\*\*\*\*\* End of Report \*\*\*\*\*