



RML - Quality Assurance Program (RML - QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 1383

Cycle - 9/2020
Round No - 08

Date: 30/08/2020

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	96	2.9	0.3	0.04	2.4-3.4	3.0	0.3
Alkaline Phosphatase	U/L	93	302.5	77.6	10.06	147.4-457.7	496	2.5
Bilirubin Total	mg/dL	97	4.9	0.5	0.06	3.9-5.9	4.3	-1.2
Calcium(Total)	mg/dL	84	11.9	0.8	0.11	10.3-13.4	10.2	-2.1
Cholesterol (Total)	mg/dL	91	269.8	17.1	2.24	235.6-304.0	271	0.1
Creatinine	mg/dL	97	4.1	0.5	0.06	3.2-5.1	4.0	-0.2
Glucose	mg/dL	97	264.4	14.5	1.84	235.3-293.4	250	-1.0
HDL	mg/dL	82	94.2	29.1	4.02	35.9-152.4	.	.
Potassium	mEq/L	76	5.9	0.3	0.04	5.3-6.4	.	.
Protein (Total)	g/dl	93	4.5	0.3	0.04	3.9-5.1	.	.
Sodium	mEq/L	75	154.8	5.6	0.81	143.6-165.9	.	.
SGPT/ALT	U/L	98	122.0	13.0	1.64	96.0-148.0	118	-0.3
SGOT/AST	U/L	98	131.9	13.4	1.69	105.2-158.6	119	-1.0
Triglyceride	mg/dL	89	244.7	14.8	1.96	215.0-274.3	248	0.2
Urea	mg/dL	97	116.4	10.5	1.33	95.3-137.4	98	-1.8
Uric Acid	mg/dl	93	8.9	0.7	0.09	7.5-10.4	9.6	1.0

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	{,} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

HDL and Total protein, Reagent + stock out.

Programme Director

Dr.Bandana Mehrotra

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Continuous Efforts And Execution Leads To Quality Excellence



RML - Quality Assurance Program (RML - QAP)



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 1383

Cycle - 9/2020
Round No - 09

Date: 28/09/2020

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	93	4.1	0.3	0.04	3.5-4.6	3.8	-1.0
Alkaline Phosphatase	U/L	91	176.5	48.2	6.32	80.1-273.0	.	.
Bilirubin Total	mg/dL	96	1.5	0.2	0.03	1.0-1.9	1.4	-0.5
Calcium(Total)	mg/dL	86	8.8	0.5	0.07	7.7-9.9	8.7	-0.2
Cholesterol (Total)	mg/dL	92	180.4	10.5	1.37	159.4-201.3	168	-1.2
Creatinine	mg/dL	96	1.3	0.2	0.03	0.9-1.7	1.3	0.0
Glucose	mg/dL	96	111.0	8.9	1.14	93.2-128.8	108	-0.3
HDL	mg/dL	81	62.9	15.1	2.10	32.7-93.1	.	.
Potassium	mEq/L	74	3.9	0.1	0.01	3.6-4.1	.	.
Protein (Total)	g/dl	91	5.8	0.4	0.05	5.0-6.6	.	.
Sodium	mEq/L	74	137.5	3.8	0.55	129.9-145.1	.	.
SGPT/ALT	U/L	96	32.2	6.1	0.78	20.0-44.4	47	2.4
SGOT/AST	U/L	96	32.2	4.5	0.57	23.3-41.2	49	3.7
Triglyceride	mg/dL	90	88.2	8.1	1.07	71.9-104.4	94	0.7
Urea	mg/dL	95	43.8	4.1	0.53	35.6-51.9	42	-0.4
Uric Acid	mg/dl	93	5.6	0.5	0.06	4.7-6.5	6.0	0.8

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	[.] Not Reported	(#) Late Result Submission	(\$) Reported in other Unit
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Chief Coordinator \rightarrow HDL, Total protein and ALP reagent stock out.
 Dr. Sanjay Mehrotra \rightarrow Lab is not performing sodium and potassium test as instrument is not available.
 Checked By:

Programme Director

 Dr. Bandana Mehrotra

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Corrective Action Report of September.

ID: RML EQAS CA
Name:
Sex: Male
Date of birth:
Physician:
Measured: 09-10-2020 12:19:26 PM
Request type: STAT - Normal - UNLOADED

Test		Result	Flags	Reference range
GPT	SGPT	41 U/L		
GOT	SGOT	39 U/L		

$$SGPT \text{ SDI} = \frac{\text{Your value} - \text{Group mean}}{SD}$$

$$= \frac{41 - 32.2}{6.1}$$

$$= 1.44$$

$$SGOT \text{ SDI} = \frac{39 - 32.2}{4.5}$$

$$= 1.51$$