



# RML - Quality Assurance Program (RML - QAP)



## BIO-CHEMISTRY-01

### ALL METHOD REPORT

Lab Code: 1990

Cycle - 9/2020

Round No - 12

Date: 28/12/2020

Parameters	Units	No.of. Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index (SDI)
Albumin	g/dL	93	4.1	0.3	0.04	3.5-4.7	4.7	2.0
Alkaline Phosphatase	U/L	94	180.3	49.8	6.42	80.6-280.0	162	-0.4
Bilirubin Total	mg/dL	97	1.5	0.2	0.03	1.0-2.0	1.6	0.5
Calcium(Total)	mg/dL	86	8.9	0.6	0.08	7.8-10.0	9.9	1.7
Cholesterol (Total)	mg/dL	90	182.3	12.4	1.63	157.6-207.0	208	2.1
Creatinine	mg/dL	95	1.4	0.2	0.03	1.0-1.7	1.3	-0.5
Glucose	mg/dL	97	109.9	9.6	1.22	90.7-129.1	122	1.3
HDL	mg/dL	82	60.6	10.3	1.42	40.0-81.2	41.3	-1.9
Potassium	mEq/L	74	3.8	0.2	0.03	3.5-4.1	3.9	0.5
Protein (Total)	g/dl	93	5.8	0.5	0.06	4.9-6.7	6.6	1.6
Sodium	mEq/L	74	136.8	3.9	0.57	128.9-144.7	*167	7.7
SGPT/ALT	U/L	96	31.4	4.3	0.55	22.9-39.9	42	2.5
SGOT/AST	U/L	96	32.6	5.0	0.64	22.6-42.5	38	1.1
Triglyceride	mg/dL	89	88.9	8.1	1.07	72.8-105.0	64	-3.1
Urea	mg/dL	97	44.4	4.1	0.52	36.2-52.6	43	-0.3
Uric Acid	mg/dl	94	5.6	0.6	0.08	4.4-6.8	6.3	1.2

### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
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:

Programme Director

Dr.Bandana Mehrotra

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# Test Report (by Request)

**Test Information**

Request: 1/8/2021 3:23:22 PM  
Date: 1/8/2021

Name/ID	Assay	Absorbance	Concentration	Interpretation	Reference
R-EQUAS	TRIGLYCERIDES ERBA	0.103 Abs	69.2		25.0 - 180.0

Group Mean - 88.9  
SD - 8.1

3xSD = 24.3

$$\boxed{\text{New SDI} = 2.4} = \frac{\text{Value} - \text{gr mean}}{\text{SD}}$$

Random error

Corrective Action taken

V. De Zon  
2/1/21

Signature \_\_\_\_\_



## BIO-CHEMISTRY

### METHOD WISE REPORT

Cycle - 10/2021

Round No - 01

Date:10/02/2021

Code: 1990

Note: @ Parameters are not part of Method Group

Parameters	Units	Method Group	No.of. Participants in Group	Method Wise Group Mean	Method Wise Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range ( $\pm 2$ SD)	Your Value	Method Wise Standard Deviation Index (SDI)
Albumin	g/dL	Bromcresol Green (BCG)	47	2.9	0.3	0.05	2.3-3.4	3.6	2.3
Alkaline Phosphatase @	U/L	PNPP, AMP Buffer	25	303.6	48.8	12.20	206.0-401.3	-	-
Bilirubin Total @	mg/dL	Jeandrassik Grof	14	4.7	0.5	0.17	3.7-5.7	-	-
Calcium(Total)	mg/dL	Arsenazo III	29	11.8	1.0	0.23	9.8-13.7	9.8	-2.0
Cholesterol (Total)	mg/dL	Cholesterol Oxidase,esterase, peroxidase	35	277.0	16.1	3.40	244.7-309.2	281	0.2
Creatinine @	mg/dL	Alkaline picrate-kinetic	14	4.3	0.4	0.13	3.5-5.1	-	-
Glucose @	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	24	263.9	23.9	6.10	216.0-311.7	-	-
HDL @	mg/dL	Direct measure-PEG	27	104.8	25.2	6.06	54.4-155.3	-	-
Potassium @	mEq/L	ISE Direct	24	5.8	0.4	0.10	4.9-6.6	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	21	4.6	0.5	0.14	3.7-5.5	4.9	0.6
Sodium @	mEq/L	ISE Direct	24	154.4	5.1	1.30	144.3-164.5	-	-
SGPT/ALT	U/L	UV without PSP	17	118.2	9.1	2.76	100.0-136.4	139	2.3
SGOT/AST	U/L	UV without PSP	17	127.3	9.0	2.73	109.4-145.2	93	-3.8
Triglyceride	mg/dL	Enzymatic, end point	23	249.7	14.9	3.88	219.9-279.6	226	-1.6
Urea	mg/dL	Urease, UV	27	115.7	8.7	2.09	98.3-133.1	112	-0.4
Uric Acid @	mg/dl	Uricase, Colorimetric	27	8.7	0.9	0.22	6.9-10.5	-	-

#### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
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	(S)Reported in other Unit
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