



AERSSC

Laboratory: Reliable Diagnostic Laboratory Pvt. Ltd, Nepal

Discipline: Clinical Biochemistry

Certificate Number: MLS-003/3

Issue Date: 07-03-2023

Expiry Date: 08-12-2025

Annexure: Scope for Accreditation

SN	Biological Sample Type	Components/Analytes	Examination Technique	Limit of Operation/Testing Limit	MU
1.	Plasma Fluoride/ Serum	Glucose	Glucose Oxidase-PAP	5-504mg/dl	2.80
2.	Serum	Albumin	BCG Colorimetric Method	03-12.0g/Dl	3.20
3.	Serum	Alkaline Phosphatase(ALP)	IFCC kinetic Method	5-800U/L	5.0
4.	Serum	Aspartate Aminotransferase(SGOT)	IFCC kinetic Method	4-800U/L	6.30
5.	Serum	Alanine Aminotransferase(SGPT)	DSA Method	4-1000U/L	9.7
6.	Serum	Amylase	DSA Method	5-1500 U/L	5.9
7.	Serum	Bilirubin Total	Arsenazo III Method	0-29mg/dl	10.9
8.	Serum	Bilirubin Direct	Sarcosine Oxidase Method	0-25mg/dl	12.7
9.	Serum	Calcium	COD-PAP Method	1.8-16.6 mg/dl	2.70
10.	Serum	Creatinine	Sarcosine Oxidase Method	0.11-79.3 mg/dl	2.98
11.	Serum	Cholesterol Total	COD-PAP method	1.8-650 mg/dl	2.98
12.	Serum	HDLCholesterol	Selected Inhibition Method	0.90-108 mg/dl	7.62
13.	Serum	GGT	IFCC kinetic Method	4-650U/L	6.7
14.	Serum	Iron	Colorimetric Assay	5-1117ug/dl	13.3
15.	Serum	Magnesium	Xylidyle Blue Method	0.1-4.16 mg/dl	12.5
16.	Serum	Phosphorus	Phosphomolybdate Method	0.9-12.3mg/dl	4.33
17.	Serum	Potassium	ISE	Upto 8 mmol/L	3.92

18.	Serum	Sodium	ISE	80-160 mmol/L	2.13
19.	Serum	Total Protein	Biuret Colorimetric Method	0.2-18 g/dl	1.38
20.	Serum	Triglyceride	GPO-PAP method	8.8-1106 mg/dl	9.85
21.	Serum	Uric Acid	Uricase Peroxidase Coupling Method	0.34-25.0mg/dl	10.0
22.	Serum	Urea	Enzyme-Coupling Kinetic Method	6-240 mg/dl	6.05
23.	EDTA Blood	HBA1C	HPLC	3-18%	7.13
24.	Serum	Thyroid Stimulating Hormone	Chemiluminescence Immunoassay	0-47mIU/ ml	9.0
25.	Serum	B-HCG(Total)	Chemiluminescence Immunoassay	0-1382mIU/ ml	8.0
26.	Serum	25-OH Vitamin D	Chemiluminescence Immunoassay	0-172.0 ng/ml	6.7
27.	Serum	Alpha-Fetoprotein(AFP)	Chemiluminescence Immunoassay	0-3000 ng/ml	11.50
28.	Serum	CA 125	Chemiluminescence Immunoassay	0-5130 U/ml	10.10
29.	Serum	CEA	Chemiluminescence Immunoassay	0-1005 ng/ml	13.90
30.	Serum	Ferritin	Chemiluminescence Immunoassay	0-1500 ng/mL	9.0
31.	Serum	Free T3	Chemiluminescence Immunoassay	0.2-20pg/ml	11.10
32.	Serum	Free T4	Chemiluminescence Immunoassay	0.1-12.0 ng/dl	11.20
33.	Serum	LH	Chemiluminescence Immunoassay	0.07-200 mIU/ml	20.0
34.	Serum	FSH	Chemiluminescence Immunoassay	0.3-200 mIU/ml	12.70
35.	Serum	Prolactin	Chemiluminescence Immunoassay	0.3-200 ng/ml	18.60
36.	Serum	PSA	Chemiluminescence Immunoassay	0-151 ng/ml	12.90
37.	Serum	Testosterone	Chemiluminescence Immunoassay	0-16 ng/ml	4.40
38.	Serum	Cortisol	Chemiluminescence Immunoassay	0-61.8 ug/dL	7.70
39.	Serum	Vitamin B12	Chemiluminescence Immunoassay	0-1515pg/ml	11.70
40.	Serum	C-Peptide	Enzyme Linked Immunosorbent Assay	0-10 ng/ml	0.02
41.	Serum	Anti ds-DNA	Enzyme Linked Immunosorbent Assay	0-200 IU/ml	0.05
42.	Serum	Anti Nuclear Antibody(Enzyme Linked	0-129 AU/ml	0.05

		ANA)	Immunosorbent Assay		
43.	Serum	Anti- CCP	Enzyme Linked Immunosorbent Assay	0-80AU/ ml	0.11
44.	Serum	Total IgE	Enzyme Linked Immunosorbent Assay	0-400 IU/ml	0.01

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