



Laboratory: Samyak Diagnostic Pvt. Ltd
Jawalakhel, Lalitpur, Nepal

Discipline: **CLINICAL BIO-CHEMISTRY, CLINICAL PATHOLOGY,
IMMUNOLOGY and HAEMATOLOGY**

Issue Date: 09-06-2021
Expiry Date: 08-06-2024

Certificate Number : MLS-001/03

Samyak Diagnostic Pvt. Ltd. Scope of Accreditation

The clinical laboratories under the scope of AERSSC accreditation (ISO 15189:2012) are:

SI No.	Type of Task	Materials/ Products	Task Name	Standard Method	Recommendation	Written By
1.	Biochemistry	Serum	Albumin	Bromocresol Green		
2.	Biochemistry	Serum	ALT	Tris buffer without P5P 37°C		
3.	Biochemistry	Serum	Amylase	PNP G7 37°C		
4.	Biochemistry	Serum	AST	Tris buffer without P5P 37°C		
5.	Biochemistry	Serum	Calcium	Arsenazo III		
6.	Biochemistry	Serum	HDL	Direct Clearance		
7.	Biochemistry	Serum	LDL	Calculative		
8.	Biochemistry	Serum	Cholesterol	Oxidase		
9.	Biochemistry	Serum	CK	CK-NAC IFCC 37°C		
10.	Biochemistry	Serum	Creatinine	Alkaline picrate		
11.	Biochemistry	Serum	GGT	GG3-Carboxy-4-nitroanilide (IFCC) 37°C		
12.	Biochemistry	Serum	Glucose	GOD-PAP		
13.	Biochemistry	Serum	Iron	Colorimetric without ppt.		
14.	Biochemistry	Serum	LDH	L-P IFCC 37°C		
15.	Biochemistry	Serum	Magnesium	Xylidyl blue		

16.	Biochemistry	Serum	Phosphorous	DEA buffer 37°C		
17.	Biochemistry	Serum	Potassium	ISE		
18.	Biochemistry	Serum	Total protein	Biuret reaction endpoint		

19.	Biochemistry	Serum	Sodium	ISE		
20.	Biochemistry	Serum	Triglyceride	Lipase/GPO-PAP		
21.	Biochemistry	Serum	Urea	Urease kinetic		
22.	Biochemistry	Serum	Uric acid	Enzymatic colorimetric		
23.	Biochemistry	Serum	ALP	DEA buffer 37°C		
24.	Biochemistry	Serum	Total Bilirubin	Diazo with sulphanic acid		
25.	Biochemistry	EDTA	HbA1c	HPLC		
26.	Immunoassay	Serum	FT3	Competitive immunoassay		
27.	Immunoassay	Serum	FT4	Competitive immunoassay		
28.	Immunoassay	Serum	TSH	Sandwich immunoassay		
29.	Immunoassay	Serum	FSH	Sandwich immunoassay		
30.	Immunoassay	Serum	LH	Sandwich immunoassay		
31.	Immunoassay	Serum	PRL	Sandwich immunoassay		
32.	Immunoassay	Serum	Progesterone	Competitive immunoassay		
33.	Immunoassay	Serum	Total HCG	Two site sandwich immunoassay		
34.	Immunoassay	Serum	Testosterone	Competitive immunoassay		
35.	Immunoassay	Serum	AFP	Two site sandwich immunoassay		
36.	Immunoassay	Serum	CEA	Two site sandwich immunoassay		
37.	Immunoassay	Serum	PSA	Two site sandwich immunoassay		
38.	Immunoassay	Serum	Ferritin	Two site sandwich immunoassay		
39.	Immunoassay	Serum	Folate	Competitive immunoassay		
40.	Immunoassay	Serum	Vitamin B12	Competitive immunoassay		
41.	Immunoassay	Serum	Cortisol	Competitive immunoassay		
42.	Immunoassay	Serum	CARB	Competitive immunoassay		
43.	Immunoassay	Serum	PHTN	Competitive immunoassay		
44.	Immunoassay	Serum	Valproic acid	Competitive immunoassay		
45.	Immunoassay	Serum	Vancomycin	Competitive immunoassay		
46.	Immunoassay	Serum	IgE	Two site sandwich immunoassay		
47.	Immunoassay	Serum	E2	Competitive immunoassay		
48.	Hematology	Blood in EDTA vial	WBC	Light scatter by laser		
49.	Hematology	Blood in EDTA vial	NE%	Light scatter by laser		
50.	Hematology	Blood in EDTA vial	LY%	Light scatter by laser		
51.	Hematology	Blood in EDTA vial	MO%	Light scatter by laser		

60.	Hematology	Blood in EDTA vial	RDW-CV	Histogram calculation		
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73.	Biochemistry	Urine	Microalbumin	Immunonephlometry		
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52.	Hematology	Blood in EDTA vial	EO%	Light scatter by laser		
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53.	Hematology	Blood in EDTA vial	BA%	Light scatter by laser		
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54.	Hematology	Blood in EDTA vial	RBC	Electrical resistance detection		
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55.	Hematology	Blood in EDTA vial	HGB	Surfactant method		
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56.	Hematology	Blood in EDTA vial	HCT	Histogram calculation		
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57.	Hematology	Blood in EDTA vial	MCV	Histogram calculation		
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58.	Hematology	Blood in EDTA vial	MCH	Histogram calculation		
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59.	Hematology	Blood in EDTA vial	MCHC	Histogram calculation		
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61.	Hematology	Blood in EDTA vial	RDW-SD	Histogram calculation		
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62.	Hematology	Blood in EDTA vial	PLT	Electrical resistance detection		
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63.	Hematology	Blood in EDTA vial	PCT	Histogram calculation		
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64.	Hematology	Blood in EDTA vial	MPV	Histogram calculation		
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65.	Hematology	Blood in EDTA vial	PDW	Histogram calculation		
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66.	Hematology	Blood in EDTA vial	AEC	Manual		
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67.	Hematology	Blood in EDTA vial	Sickling test	Manual		
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68.	Clinical Pathology	Urine	Routine & Microscopic	Manual method		
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69.	Clinical Pathology	Urine	Occult Blood	Benzidine Method		
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70.	Clinical Pathology	Stool	Routine & Microscopic	Microscopy		
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71.	Clinical Pathology	Stool	Occult Blood	Benzidine Method		
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72.	Clinical Pathology	Stool	Reducing Substances	Benedict Method		
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74.	Biochemistry	Serum	Ceruloplasmin	Immunonephlometry		
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75.	Biochemistry	Serum	Procalcitonin PCT	Immunoassay		
76.	Biochemistry	Serum	Nt-ProBNP	Immunoassay		
77.	Biochemistry	Serum	Hs-CRP	Immunoassay		
78.	Biochemistry	Blood in EDTA Vial	Blood Lead levels	Electrochemical principle		
79.	Biochemistry	Serum	TIBC	Colorimetric method		
80.	Biochemistry	Serum	Serum Protein Electrophoresis	Agarose Gel Electrophoresis		
81.	Biochemistry	Serum	Troponin I	Membrane based immunoassay		
82.	Immunoassay	Serum	C3	Immunonephlometry		
83.	Immunoassay	Serum	C4	Immunonephlometry		
84.	Immunoassay	Serum	IgG	Immunonephlometry		
85.	Immunoassay	Serum	IgM	Immunonephlometry		
86.	Immunoassay	Serum	IgA	Immunonephlometry		
87.	Immunoassay	Serum	C-ANCA	Immunoblot		
88.	Immunoassay	Serum	P-ANCA	Immunoblot		
89.	Immunoassay	Serum	GBM	Immunoblot		
90.	Immunoassay	Serum	ANA Panel- Immunoblot	Immunoblot		
91.	Immunoassay	Serum	ANA	Indirect Immunofluorescence		
92.	Immunoassay	Serum	ds-DNA	Indirect Immunofluorescence		
93.	Immunoassay	Serum	Liver IgG	Immunoblot		
94.	Immunoassay	Serum	Anti-CCP	Lateral flow Immunoassay		
95.	Immunoassay	Urine	Pregnancy Test	Immunochromatography		
96.	Immunoassay	Serum	Vitamin D, 25 Hydroxy	Competitive immunoassay		
97.	Immunoassay	Serum	CA 125	Two site sandwich immunoassay		
98.	Immunoassay	Serum	CA 15-3	Two site sandwich immunoassay		
99.	Immunoassay	Serum	CA 19-9	Two site sandwich immunoassay		
100.	Serology	Serum	Rheumatoid Factor (RF)	Particle enhanced Immunonephlometry		
101.	Serology	Serum	CRP	Particle enhanced Immunonephlometry		
102.	Serology	Serum	Anti-Streptolysin O	Particle enhanced Immunonephlometry		
103.	Serology	Serum	HIV 1 & 2	Immunoassay		
104.	Serology	Serum	HbsAg	Sandwich Immunoassay		
105.	Serology	Serum	Anti- HCV	Immunoassay		
106.	Serology	Serum	HAV IgM	Immunochromatography		
107.	Serology	Serum	HEV IgM	Immunochromatography		
108.	Serology	Urine	Legionella Ag	Sandwich Immunoassay		
109.	Serology	Whole Blood	Malaria Ag	Immunoassay		

		Products				
110.	Serology	Serum	Dengue NS1 Ag, IgG, IgM Ab	Immunochromatography		
111.	Serology	Serum	Salmonella typhi Ag	Immunochromatography		
112.	Serology	Serum	LeishmaniaAb	Membrane base Immunoassay		
113.	Serology	Serum	TB IgG/ IgM	Lateral flow chromatography		
114.	Serology	Urine	Chlymadia Ag	Immunochromatography		
115.	Serology	Serum	LeptospiraIgM	Immunochromatography		
116.	Serology	Stool	H.pylori Ag	Immunochromatography		
117.	Serology	Serum	H.pyloriAb	Immunochromatography		
118.	Serology	Serum	Syphilis Ab	Immunochromatography		
119.	Serology	Serum	HAV IgM	Immunochromatography		
120.	Hematology	Citrated Plasma	D-Dimer	Particle enhanced nephelometry		
121.	Hematology	EDTA Blood	G6PD	Biosensor analyser		
122.	Clinical Pathology	Urine	Drug of Abuse (DOA)	Competitive Immunochromatography		

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