

Laboratory: Reliabale Diagnostic Laboratory Nepal

Anamnagar -32, Kathmandu, Nepal

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

Issue Date: 09-12-2016

Expiry Date: 08-12-2019

Certificate Number : MSL-003

MATERIAL/PRODUCT	TASK NAME	STANDARD METHOD
Serum	HIV	Rapid TRI-DOT Method (J. Mitra) Antibody against gp41, C terminal of gp120 & gp36 antigens
Serum	CMV IgG	Enzyme linked immunosorbent assay
Serum	CMV IgM	Enzyme linked immunosorbent assay
Serum	Herpes IgG	Enzyme linked immunosorbent assay
Serum	Herpes IgM	Enzyme linked immunosorbent assay
Serum	Rubella IgG	Enzyme linked immunosorbent assay
Serum	Rubella IgM	Enzyme linked immunosorbent assay
Serum	Toxo IgG	Enzyme linked immunosorbent assay
Serum	Toxo IgM	Enzyme linked immunosorbent assay
Serum	Anti ds-DNA	Enzyme linked immunosorbent assay
Serum	Anti Nuclear Antibody (ANA)	Chemiluminescence immunosorbent assay
Serum	Anti-CCP	Enzyme linked immunosorbent assay

Serum	C-peptide	Enzyme linked immunosorbent assay
Serum	Total IgE	Enzyme linked immunosorbent assay
Serum	TPO-Antibody	Chemiluminescence immunosorbent assay
Serum	β -hCG (Total)	Chemiluminescence immunosorbent assay
Serum	25-OH Vitamin D	Chemiluminescence immunosorbent assay
Serum	Alpha- fetoprotein (AFP)	Chemiluminescence immunosorbent assay
Serum	CA 125	Chemiluminescence immunosorbent assay
Serum	CEA	Chemiluminescence immunosorbent assay
Serum	DHEA-S	Enzyme linked immunosorbent assay
Serum	Ferritin	Chemiluminescence immunosorbent assay
Serum	Free T3	Chemiluminescence immunosorbent assay
Serum	Free T4	Chemiluminescence immunosorbent assay
Serum	TSH	Chemiluminescence immunosorbent assay
Serum	LH	Chemiluminescence immunosorbent assay
Serum	FSH	Chemiluminescence immunosorbent assay
Serum	Prolactin	Chemiluminescence immunosorbent assay
Serum	PSA	Chemiluminescence immunosorbent assay
Serum	Testosterone	Chemiluminescence immunosorbent assay
Serum	Vitamin B12	Enzyme linked immunosorbent assay
Serum	Adenosine Deaminase (ADA)	Enzymatic Deamination
Body Fluids	Adenosine Deaminase (ADA)	Enzymatic Deamination

Serum	Albumin	BCG (Dye Binding Method)
Serum	Alkaline Phosphate (ALP)	4- Nitrophenyl phosphate (pNPP) / AMP (2-amino-2-methyl-1-propanol) buffer
Serum	Aspartate Aminotransferase (SGOT)	UV Kinetic
Serum	Alanine Aminotransferase (SGPT)	UV Kinetic
Serum	Amylase	Chromogenic dyed amylopectin two point kinetic method
Urine	Amylase	Chromogenic dyed amylopectin two point kinetic method
Serum	Bilirubin Total	Modified jendrassik/Grof Method
Serum	Bilirubin Direct	Modified jendrassik/Grof Method
Serum	Calcium	Arsenazo- III dye
Urine	Calcium	Arsenazo- III dye
Serum	Creatinine	Jaffe's reaction method
Urine	Creatinine	Jaffe's reaction method
Serum	CRP	Latex agglutination method
Serum	Chloride	Ion Selective Electrode (ISE)
Serum	Chloride	Ion Selective Electrode (ISE)
Serum	Cholesterol Total	Enzymatic (CHE/CHO/POD)
Serum	Direct HDL	Phosphotungstic acid/ Mgcl2- Enzymatic
Serum	GGT	L-gamma-glutamyl - 4 – nitroanalide/ Glycylglycine kinetic method
Serum	Globulin	Calculation
Serum	Glucose	Enzymatic (GOD-POD)
Serum	Iron	Photometric Colorimetric LCF/CAB
Serum	Lactate-Dehydrogenase (LDH)	Pyruvate to lactate kinetic method
Serum	Megnesium	Colorimetric Method/

		Formazon Dye
Urine	Microalbumin	Immunofluorescence assay (POCT)
Serum	Phosphorous	Phosphomolybdate reduction (PMA Phenol)
\Serum	Potassium	Ion Selective Electrode (ISE)
Serum	Rheumatoid Factor RF	Latex agglutination
Serum	Sodium	Ion Selective Electrode (ISE)
Urine	Sodium	Ion Selective Electrode (ISE)
Serum	Total Protein	Biuret Method(End-Point reaction)
Urine	Protein	Biuret Method(End-Point reaction)
Serum	Total Iron-Binding Capacity	Iron Saturation /dye binding method
Serum	Triglyceride	Enzymatic (Lipase/ GK/ GPO/ POD)
Serum	Troponin I	Immunochemistry
Urine	Urine Protein Creatinine Ratio	Same as Urine Protein () Creatinine()
Serum	Uric Acid	Uricase Enzymatic Method
Urine	Uric Acid	Uricase Enzymatic Method
Serum	Urea	Urease with indicator dye
Whole Blood(EDTA)	Absolute eosinophil count	Calculated from Total count and % eosinophil count
Whole Blood(EDTA)	Blood Group (ABO & RH)	Slide and Tube Agglutination
Whole Blood(EDTA)	Different Leucocyte Count	Microscopy
Serum/Plasma	Direct Coomb's Test (DCT)	Tube Agglutination test
Whole Blood(EDTA)	Erythrocyte Sedimentation rate (ESR)	Westergren tube method
Whole Blood(EDTA)	Haematocrite(HCT)	Electrical Impedance /Wintrob's tube
Whole Blood(EDTA)	Haemoglobin	SLS method
Serum/Plasma	Indirect Coombs test	Tube Agglutination test
Whole Blood(EDTA)	Malaria Parasite	Rapid malaria antigen card/ microscopy
Whole Blood(EDTA)	Mean Cell Volume (MCV)	Calculated
Whole Blood(EDTA)	Mean Cell Haemoglobin (MCH)	Calculated
Whole Blood(EDTA)	Mean cell haemoglobin	Calculated

	Concentration (MCHC)	
Whole Blood(EDTA)	Peripheral Blood Smear	Microscopy
Whole Blood(EDTA)	Platelets Count	Electrical Impedance
Whole Blood(EDTA)	Platelets Distribution Width	Electrical Impedance
Whole Blood(EDTA)	Red Blood Cell Count	Electrical Impedance
Whole Blood(EDTA)	WBC Count	Electrical Impedance
Whole Blood(EDTA)	Micro filaria	Direct Microscopy
Urine	Bence-Jones Protein	Heat and Acid method/ Visual turbidimetry
Urine	Bile-Pigment	Reagent Strip Method
Urine	Bile-Salt	Reagent Strip Method Heys method
Urine	Bilirubin	Reagent Strip Method
Urine	Fat Globules	Microscopic
Urine	Blood (erythrocyte and Haemoglobin)	Strip-Method
Urine	Glucose	Reagent Strip Method Benedict's method
Urine	Ketone	Reagent Strip Method
Urine	Leukocytes	Strip method
Urine	Microscopic Examination	Visual Examination
Urine	Nitrate	Ehrlich's Test (Watson Schwart ₃ Test)
Stool	Occult Blood	Benzidine method
Urine	pH	Strip Method
Urine	Physical examination	Gross & Microscopy
Urine	Porphobilinogen	Reagent Strip Method
Urine	Protein	Reagent Strip Method
Urine	Specific gravity	Reagent Strip Method
Stool	Stool R/E	Microscopic Examination
Stool	Reducing Substance	Benedicts method

Urine	Urobilinogen	Strip-Method
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