


DEPT. OF ZOOLOGY
KAPTIPADA COLLEGE, KAPTIPADA, MAYURBHANJ
Apparatus, Glassware's & Chemicals List

SL. NO	ITEMS NAME
	INSTRUMENTS
01	Visible Spectrophotometer (Microprocessor Based) Technical Specification Micro controller based visible spectrophotometer with 10mm 2 pair glass cuvette, Wavelength Range: 320-1020nm, Spectral Bandwidth: 2nm, Wavelength Interval: 1nm, Wavelength Accuracy: ± 2 nm, Wavelength Repeatability: ≤ 1 nm, Photometric Accuracy: $\pm 1\%$ T, Photometric Repeatability: 0.5%T, Photometric Range: 0 -1.999A, 0-199.9%T, Stray Light: $\leq 0.3\%$ T @340nm, Stability: ± 0.004 A/h @500nm, Display: 4digit LCD Screen, Measuring Mode: Auto Abs,%T,Conc., Detector: Si Photodiode, Light Source: Tungsten lamp, Power Requirement: AC(220V/50Hz), Dimensions: (W x D x H) 450 x 520 x 320mm, Weight: 10kg, Output: RS-232C Port, Software CD: 01no, RS 232 Cable: 01no, Power cable: 01no Make: Biolinkk/Br-Biochem/Spectronics/Igene
02	Centrifuge Technical Specification Speed: 6000rpm, Centrifugal Force: 3000g, Sample Capacity: 8 x 2.0ml/1.5ml/0.5ml/0.2ml tube (additional 0.5ml and 0.2ml tube carriers) 2 x 8 x 0.2ml PCR tube strip, Time Range: 1s - 99min59s, Noise: ≤ 45 Db, Dimension: 176x156x121 (mm), Net Weight: ≤ 1.5 kg, Power: 220V/110V 50-60HZ, Display: LED display the rolling speed and timing, Practice silent and stable. Free-maintenance motor, long life and safe, Delicate appearance. Multi-purpose to meet different experiments demands, The cover switch is outward designed and superstructure automatically bounces 95 degrees which is convenient for one-hand operation, The rotor is clip-on fixed. It is very convenient for rotors exchanging and pick-and-place Large radius rotor with 8 tube holes. centrifugal force is 1.5 times bigger than ordinary 6-hole rotor at the same rolling speed Make: Biolinkk/Br-Biochem/Spectronics/Igene
03	Research Binocular Microscope Technical Specification Head: Binocular, 360°rotating, 30° inclined, Observation mode: Brightfield, polarization, Eyepieces: Wide Field 10x/18mm, Objectives: Achromatic 4x,10x,40x,100x and with an anti-fungus treatment, Stage: Mechanical stage, 125x116mm with specimen holder, X-Y movement range, Vernier scale on the two axes, accuracy: 0.1mm, Focusing: Coaxial coarse and fine focusing mechanism with limit stop, Condenser: N.A. 1.2 with diaphragm adjustable height, Interpupillary distance: Adjustable between 48 and 75 mm, Illuminator: 1W white LED and external power Supply with light intensity control and Color temperature: 6.300K, Dioptric adjustment: On the left eyepiece, Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings Make: Optika Italy/Novel/Omega India/Biolinkk
04	Gel Electrophoresis unit Technical Specification Dimension : 18.5cm (L) x9.5cm (B) x7cm(H) , No of Samples: Upto 8, Buffer Volume: 300ml, Number of casting Tray : 7x5cm,10x7cm(1 No.Each) 5-wells 1.5mm thickness comb (well width), Number of Combs: (5mm interspace -3mm) (2nos) 4wells 1.5mmthickness comb (Well Width-6mm,Interspace-4mm) (1 No.), Comb Capacity (5mm Deep Well) : 37ul, 137ul, Connecting Cord : Red and Black (Each One), No. of Platinum electrodes : positive and negative (each one) , Buffer Chamber with Safety Lid : 1 No, Output range : 10-300 V, fully adjustable in 1 V steps,1-200 mA, fully adjustable in 1 mA steps, Type of output : Constant voltage or constant current, Output terminals : 4 pair recessed banana jacks in parallel, Timer : 1 min-999 min , fully adjustable, Start /Stop Function : Yes, Display : LCD, Operating conditions : 0-40°C, 0-90% humidity in the absence of condensation, Safety features : No-load detection, sudden load change detection, overload/short-circuit detection, Input protection : Fuse on both hot and neutral, Input power (actual) : 220VAC/50hz. Make: Br-Biochem/Biolinkk/Igene/Spectronics
05	Laminar Air Flow 3'x2'x2' Technical Specification Working Platform Size: 3ft x 2ft x 2ft, Air flow direction: Horizontal, Outer Construction: Wooden Inner Construction: S.S, Illumination: Fluorescent light HEPA filter, Standard fittings: Air / gas cock, Mains on/off switch, Light on/off switch and UV Light on/off switch, Blower on/off switch Make: Pragati/Omega India/Igene/Biolinkk

	GLASS WARE (Pragati/Labsun/Omega India)
01	Beaker 50ml
	Beaker 100ml
	Beaker 250ml
	Beaker 500ml
	Beaker 1000ml
02	Conical Flask 100ml
	Conical Flask 250ml
	Conical Flask 500ml
03	Measuring Flask 50ml
	Measuring Flask 100ml
	Measuring Flask 250ml
	Measuring Flask 500ml
	Measuring Flask 1000ml
04	Measuring Cylinder 10ml
	Measuring Cylinder 100ml
	Measuring Cylinder 250ml
	Measuring Cylinder 500ml
	Measuring Cylinder 1000ml
05	Reagent Bottle 125ml
	Reagent Bottle 250ml
	Reagent Bottle 500ml
06	Test Tube 15x125 (100 unit)
07	Pipette 1ml (M)
	Pipette 2ml (M)
	Pipette 5ml (M)
	Pipette 10ml (M)
08	Burette 50ml
09	Plane Slide
10	Funnel 3"
11	Cover Slip
12	Blotting Paper
13	Dropper
14	Bell Jar
	CHEMICALS
01	Ethanol , Mercury Chloride , Distilled Water , Silver Chloride , Ammonium Chloride , EDTA , Ammonia Solution , Eriochrome Black T , Calcium Chloride , Hydrochloric Acid , Sodium Hydroxide Pellets , Ammonium Purpurate , Sodium Chloride , Phenol , Conc. Sulphuric Acid , Potassium Nitrate , Glycerol , Sodium Sulphate, Manganese Sulphate, Potassium Iodide, Sodium Thiosulphate, Acetocarmine, Methylene Blue, Giemsa Stain, Schiff's Reagent, Xylene, Iodine Solution 500ml, D.P.X, Haematoxylin, Benedict's Reagent, Dextrose, Copper Sulphate, Million's Reagent, Sudan III Solution, Ninhydrin, Barfoed's Reagent (Br-Biochem/Biolinkk), Sodium Citrate, Orcinol, LB Broth Lennox (Br-Biochem/Biolinkk), Tryptone (Br-Biochem/Biolinkk), Yeast Extract, Sodium Chloride, Sodium Hydroxide pellets, Tris Base (Br-Biochem/Biolinkk), Proteinase K (Br-Biochem/Biolinkk), Phenol, Chloroform, Ethanol, Ribonucleic acid (RNA) (Br-Biochem/Biolinkk), SDS (Br-Biochem/Biolinkk), EDTA, Tris Buffer (Br-Biochem/Biolinkk), Tris Hydrochloride (Br-Biochem/Biolinkk), Perchloric Acid, Ferric Chloride, Agarose LE (Br-Biochem/Biolinkk), Ph Paper, Polyacrylamide (Otto), Acrylamide (Br-Biochem/Biolinkk), Ammonium Persulphate (APS) (Br-Biochem/Biolinkk), TEMED (Br-Biochem/Biolinkk), Agar Agar, RNAase (Br-Biochem/Biolinkk), LB Medium (Br-Biochem/Biolinkk), TE Buffer (Br-Biochem/Biolinkk), Lysis Buffer (Br-Biochem/Biolinkk), TAE (Br-Biochem/Biolinkk), TBE (Br-Biochem/Biolinkk), Fehling Solution A, Fehling Solution B,

Blood Group kit, N,N-Methylene Bis- Acrylamide(Br-Biochem/Biolinkk), Glycine (Br-Biochem/Biolinkk), Bacto Agar, Magnesium Chloride,

1/2/21


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