

Patharkandi College
Department of Zoology
Instruments, Consumables, & Reagents Requisition List

Chemicals and reagents:

Particulars	Category	Number	Quantity
Isopropyl alcohol	Chemicals	2	2 bottles
Watmann filter papers	Chemicals	5	5 packs
Ninhydrin chromatography paper	Chemicals	100 nos.	100x5 packs
Chromatography amino acid kit	Chemicals	2 pck	2 sets
Eosin	Chemicals	6	100 ml
Glass chamber for chromatography	Chemicals	2	2 nos.
Capillary tubes	Chemicals	3 box	3 nos.
Thermometer for checking water temperature	Chemicals	3	3 nos.
Ammonium hydroxide	Chemicals	1	1 no.
Red and blue litmus paper	Chemicals	10	10 sets
Haematoxylin	Chemicals	6	100ml
Silver nitrate	Chemicals	5	10 gm
Poly-L-Lysine	Chemicals	1	250 ml
2,4-dinitrophenylhydrazine	Chemicals	1	250 ml
Paraffin wax	Chemicals	6	box
Ethanol (10 bottles)	Chemicals	10	1 litre
Rectified spirit (20 bottles)	Chemicals	20	1 litre
Bovine serum albumin	Chemicals	2	250 gm
Sodium carbonate	Chemicals	1	500gm
Copper sulphate	Chemicals	1	500gm
Na-K Tartarate	Chemicals	1	500gm
Folin and Ciocalten's phenol reagent	Chemicals	1	500gm
Trypsin	Chemicals	1	500gm
Lysine	Chemicals	1	500gm
Alkaline phosphatase activity assay kit	Chemicals	2	set
Meyers albumin	Chemicals	2	250ml
DPX mount/canadabalsem	Chemicals	2	500ml
Xylene	Chemicals	5	500ml
Sodium phosphate monobasic	chemicals	1	500gm
Sodium phosphate dibasic	chemicals	1	500gm
Potassium Phosphate monobasic	chemicals	1	500gm
Immersion oil	chemicals	5	100 ml
Potassium Phosphate dibasic	chemicals	1	500 gm
Acetylthiocholine iodide	chemicals	1	100gm
Sodium citrate	chemicals	1	500gm
Potassium ferricyanide	chemicals	1	25 gm
Calcium chloride	chemicals	1	500 gm
Potassium chloride	Chemicals	1	500 gm

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Bouin's fluid	Chemicals	4	500 ml
Bromophenol blue	Chemical	1	500mL
Sodium dodecyl sulphate	Chemical	1	500mL
Acrylamide	Chemical	1	1000g
Bisacrylamide	Chemical	1	1000g
Ethidium bromide	Chemical	1	500mL
DMSO	Chemical	1	1000mL
Tris-HCl buffer	Chemical	4	4x500mL
Glycerol	Chemical	1	500mL
Tris Base	Chemical	1	500g
TEMED	Chemical	1	500mL
Glycine	Chemical	1	250mL
Ammonium persulphate	Chemical	1	500g
Formaldehyde (500 mL)	Chemical	2 bottles	2 bottles
Sodium azide- 100g	Chemical	2 bottles	2 nos.
Potassium iodide- 100g	Chemical	2 bottles	2 nos.

Consumables

Particulars	Category	Number	Quantity
Glass slide (himedia/Merck)	Consumables	20	pck
Large slide box	Consumables	5	nos.
Nitrile gloves (M size)	Consumables	3	pck
Nitrile gloves (S size)	Consumables	2	pck
Tissue roll	Consumables	10	pck
1 ml syringe (1 pack)	Consumables	1	pck
Large cover glass	Consumables	10	box
Butterfly capillaries	Consumables	2	pck
Butterfly needles	Consumables	100	nos.
Art brush (sizes- 0, 4, 8, 24)	Consumables	4 pieces	4 nos.
Microtips (1000,100,10 μ L)	Consumables	2x3=6	6 packs
Aluminium foil (Cooking type)	Consumables	5	5 rolls
Microtubes (15mL)	Consumables	1 box	1 box
Test tube stands	Consumables	10	10 nos.
Centrifuge tubes (1.5 mL)	Consumables	2 packets	2 packets

Glass wares

Particulars	Category	Number	Quantity
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Glass rod(5 inch/10 inch)	glassware	50	nos.
Petridishes (Volvo/Casper)	glassware	30	nos.
Burette	Glassware	10	10 nos.
Conical flask (100 mL)	Glassware	25	25 nos.
Glass Funnel	Glassware	10	10 nos.
Conical flask (50 mL)	Glassware	10	10 nos.
Conical flask (1000 mL)	Glassware	2	2 nos.
Conical flask (250 mL)	Glassware	25	25 nos.

Instruments

Particulars	Category	Number	Quantity
Microtome	Instrument	2	2 nos.
Haemocytometer	Instrument	2	2 nos.
Haemoglobinometer	Instrument	1	nos.
Dissection tray (10)	Instrument	10	nos.
Distillation plant	Instrument	1	nos.
Spectrophotometer	Instrument	1	nos.
Slide staining platform	Instrument	5	nos.
Coplin Jars (20 Nos.)	Instrument	20	nos.
Magnetic stirrer (magnetic bead, retriever)	Instrument	1	nos.
Hot plate	Instrument	1	nos.
Hot air oven	Instrument	1	nos.
Analytical balance (.01mg-200gm)	Instrument	1	1 no.
pH meter	Instrument	1	1 no.
Refrigerator (Double door)	Instrument	1	1 no.
Colorimeter	Instrument	1	1 no.
Glass box for microscope (15x12 inches)	Instrument	1	1 no.
Glass Tray	Instrument	2	2 nos.
Centrifuge	Instrument	1	1 no.
Vortex mixture	Instrument	1	1 no.
Burette stand	Instrument	10	10 nos.
Spatula (Steel)	Instrument	3	3 nos.
Mortar and pestle (Marble) medium sized	Instrument	1	1 nos.

Museum Sample/Slide/Bone Sample

Particulars	Category	Number	Quantity
Mammalian skin	Permanent Slide	1	1 no.
Cartilage	Permanent Slide	1	1 no.
Bone	Permanent Slide	1	1 no.
Spinal cord	Permanent Slide	1	1 no.

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Pituitary	Permanent Slide	1	1 no.
Pancreas	Permanent Slide	1	1 no.
Thyroid	Permanent Slide	1	1 no.
Parathyroid	Permanent Slide	1	1 no.
Developmental stages of chick (13 and 18 hours, 21 hr, 24 hr, 28 hr, 33, 36, 48, 72 and 96 hrs of incubation)	Permanent Slide	1	1 no.
Frog/Toad	Skeleton Sample	1	1 set
Calotes/Fowl/Pigeon	Skeleton Sample	1	1 set
Guinea pig	Skeleton Sample	1	1 set
Mammalian skull	Skeleton Sample	1	1 set
Nereis	Museum specimen	1	1 set
Heteroneries	Museum specimen	1	1 set
Chaetopterus	Museum specimen	1	1 set
Pheretima	Museum specimen	1	1 set
Limulus	Museum specimen	1	1 set
Palaemon	Museum specimen	1	1 set
Daphnia	Museum specimen	1	1 set
Balanus	Museum specimen	1	1 set
Sacculina	Museum specimen	1	1 set
Cancer	Museum specimen	1	1 set
Scolopendra	Museum specimen	1	1 set
Julus	Museum specimen	1	1 set
Bombyx	Museum specimen	1	1 set
Termites	Museum specimen	1	1 set
Honey bees	Museum specimen	1	1 set
Peripatus	Museum specimen	1	1 set
Chiton	Museum specimen	1	1 set
Pila	Museum specimen	1	1 set
Doris	Museum specimen	1	1 set
Helix	Museum specimen	1	1 set
Unio	Museum specimen	1	1 set
Sepia	Museum specimen	1	1 set
Nautilus	Museum specimen	1	1 set
Pentaceros/Asterias	Museum specimen	1	1 set
Ophiura	Museum specimen	1	1 set
Echinus	Museum specimen	1	1 set
Cucumaria	Museum specimen	1	1 set
Antedon	Museum specimen	1	1 set

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