**Department of Zoology**

**List of Chemicals and Lab wares**

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| --- | --- | --- | --- |
| **S No.** | **Name** | **Requirement** | **Unit** |
|  | Acetic Acid Glacial | 2.5L x 3 | 3 |
|  | Acetone | 500 ml x 5 | 5 |
|  | Agar agar | 500g x 2 | 2 |
|  | Agar Agar | 100g x 10  | 10 |
|  | Allyl Thiourea | 25gm x 1 | 1 |
|  | Alpha amylase | 100g x 1 | 1 |
|  | Alpha ketoglutarate | 25g x 1 | 1 |
|  | Alpha naphtholamine | 250g x 1 | 1 |
|  | Ammonia Solution | 500ml x 1 | 1 |
|  | Ammonium Ferrous Sulphate | 500 g x2 | 2 |
|  | Ammonium sulphate | 500 g x 6 | 6 |
|  | Antibiotic discs - Ampicillin | 1 vl x 10 | 10 |
|  | Antibiotic discs - Chloramphenicol | 100 dis x 4 | 4 |
|  | Antibiotic discs - Diprofloxacin | 50 disc x 4 | 4 |
|  | Antibiotic discs - Gentamycin | 50 disc x 4 | 4 |
|  | Antibiotic discs - Penicillin | 100 disc x 4 | 4 |
|  | Antibiotic discs - Streptomycin | 50 disc x 4 | 4 |
|  | Antibiotic discs - Tetracyclin | 1 vl x 10 | 10 |
|  | Baritt Reagent A | 100ml x 1 | 1 |
|  | Baritt Reagent B | 100ml x 1 | 1 |
|  | Benzidium powder | 500g x 1 | 1 |
|  | Bial’s reagent | 125mL x 1 | 1 |
|  | Bilirubin | 1 g x 1 | 1 |
|  | Blood grouping Kit | 6 | 6 |
|  | Bovine serum albumin | 5 g x 1 | 1 |
|  | Bromo Cresol Green | 5g x 2 | 2 |
|  | Bromo Thymol Blue | 5g x 2 | 2 |
|  | Bromocresol green dye | 5gx1 | 1 |
|  | Butanol | 500 ml x 1 | 1 |
|  | Calcium Chloride | 500g x 1 | 1 |
|  | Calcium Phosphate dibasic | 500gx1 | 1 |
|  | Calcium Phosphate tribasic | 500gx1 | 1 |
|  | Carbol Fuchsin | 500ml x 1 | 1 |
|  | Casein | 500 g x 1 | 1 |
|  | Cetyl trimetyl ammonium bromide (CTAB) | 100 g x 1 | 1 |
|  | Chloroform | 500 ml x10 | 10 |
|  | Congo red Yeast Mannitol Agar (CRYEMA) | 500g x 2 | 2 |
|  | Copper Sulphate | 500g x2 | 2 |
|  | Crystal Violet Sol | 125ml x 10 | 10 |
|  | Crystal Violet powder | 25 g x 1 | 1 |
|  | Czapek dox agar granulated | 500g x 2 | 2 |
|  | Deoxy ribonucleic acid (DNA) | 10 g x 1 | 1 |
|  | Deoxycholate agar | 100g x 1  | 1 |
|  | D-Fructose | 100g x 3 | 3 |
|  | Diphenylamine | 250g x 3 | 3 |
|  | Disodium phenyl phosphate | 25 g x 1 | 1 |
|  | Drosophila Medium | 500 g x 3 | 3 |
|  | EDTA | 100g x 3 | 3 |
|  | Eosine Methylene blue Agar (EMB Agar) | 500g x 1 | 1 |
|  | Ethidium Bromide | 1 g x 2 | 2 |
|  | Fehling’s reagent No 1 | 500 ml x 4 | 4 |
|  | Fehling’s reagent No 2 | 500 ml x 4 | 4 |
|  | Ferric Chloride | 500g x 3 | 3 |
|  | Filter Paper sheet-Ordinary | 200 | 200 |
|  | Fiter paper- Size 9 cm round | 4 Pkts | 4 pkts |
|  | Foulger’s reagent | 125ml x 2 | 2 |
|  | Gelatin Agar |  250g x 2 | 2 |
|  | Grams Iodine | 125ml x 10 | 10 |
|  | Histopaque-1077 Sigma | 100ml x 2 | 2 |
|  | Hydrogen peroxide | 500ml x 2 | 2 |
|  | India Ink | 125ml x 2 | 2 |
|  | Iodine | 100g x 1 | 1 |
|  | Jensen's Medium | 500g x 1 | 1 |
|  | Kings B agar | 500g x 1 | 1 |
|  | Kovacs reagent | 125ml x 2 | 2 |
|  | L-Alanine | 25g x 1 | 1 |
|  | Leishman stain | 250 ml x 5 | 5 |
|  | Leishman stain with methanol solvent | 550ml x 5 | 5 |
|  | MacConkey Agar | 250g x 5 | 5 |
|  | MacConkey broth | 500g x 3 | 3 |
|  | Malachite Green | 125 ml x 2 | 2 |
|  | Manganese II Sulphate | 500g x 3 | 3 |
|  | Manitol motitlity agar | 250g x 2 | 2 |
|  | Manitol salt Agar | 250g x 2 | 2 |
|  | Methyl red Indicator | 125ml x 2 | 2 |
|  | Methylene Blue | 125 ml x 2 | 2 |
|  | MR-VP Broth | 500g X 2 | 2 |
|  | Muller Hinton Agar | 250g x 2 | 2 |
|  | n-Butanol | 500ml x 5 | 5 |
|  | Nigrosine stain | 100g x 3 | 3 |
|  | Nile Blue Sulphate | 100g x 2 | 2 |
|  | Nitrate broth |  250g x 2 | 2 |
|  | Nutrient Agar |  250g x 2 | 2 |
|  | Orthophosphoric Acid | 500ml x 5 | 5 |
|  | O-Toluidine  | 500ml x 2 | 2 |
|  | Oxidase Disc | 3 | 3 |
|  | P- dimethyl amino benzaldehyde | 100 g x 1  | 1 |
|  | Paraffin Wax for histology | 500g x 4 | 4 |
|  | Peptone | 500g x 3 | 3 |
|  | Peptone Water | 250g x 2 | 2 |
|  | Phenol Crystal | 500g x 2 | 2 |
|  | Phenolphthalene Indicator | 125ml x 2 | 2 |
|  | Pikovskaias medium | 500g X 1  | 1 |
|  | Potassium Aluminium Sulphate | 500g x 2 | 2 |
|  | Potassium Antimony Tartrate | 250g x 2 | 2 |
|  | Potassium bisulphate | 500gmx1 | 1 |
|  | Potassium Hydroxide | 500g x 8 | 8 |
|  | Potassium iodide | 250g x 4 | 4 |
|  | Resazurin sodium | 1gm x 1 | 1 |
|  | Ribo nucleic acid (RNA) | 25g x1 | 1 |
|  | Sabouraud Dextrose Agar | 500g x 2 | 2 |
|  | Saffranine stain | 125ml x 15 | 15 |
|  | Safranine powder | 25 g x 1 | 1 |
|  | Saliwanoff’s reagent | 100ml x 10 | 10 |
|  | Salmonella shigella Agar | 250g x 2 | 2 |
|  | Schiffs reagent | 125ml x 10 | 10 |
|  | Simmon citrate | 250g x 2 | 2 |
|  | Sodium Alginate | 500g x 1 | 1 |
|  | Sodium Azide | 250g x 2 | 2 |
|  | Sodium dihydrogen Phosphate | 500g x 3 | 3 |
|  | Sodium Hydrogen Carbonate | 500g x 2 | 2 |
|  | Sodium Hydroxide | 500g x 5 | 5 |
|  | Sodium thiosulphate | 500g x 2 | 2 |
|  | Starch Agar | 500g x 2 | 2 |
|  | Sugar Iron Agar | 250g x 2 | 2 |
|  | Sulfanilic acid | 500ml x 1 | 1 |
|  | Sulfonic acid | 500ml x 1 | 1 |
|  | Toludiene blue | 125ml x2 | 2 |
|  | Trichloro Acetic Acid | 100g x 5 | 5 |
|  | Triple Sugar Iron Agar | 100g x 2 | 2 |
|  | Tryptophan medium | 500g x 1 | 1 |
|  | Urea Agar Base | 500G X 1 | 1 |
|  | Vaseline | 100g x 2 | 2 |
|  | Wrights stain | 250ml x 5 | 5 |
|  | Xylene | 500ml x 10 | 10 |
|  | Yeast Mannitol Agar (YEMA)  | 500g x 2 | 2 |
|  | VDRL TEST KIT | 2  | 2 |
|  | CRP Kit | 2  | 2 |
|  | RPR Kit | 2 | 2 |
|  | ASO Kit | 2  | 2 |
|  | Widal Test Kit for Tube test | 4 | 4 |
|  | Widal Test Kit for Slide test | 2 | 2 |
|  | RA Kit | 3  | 3 |
|  | Western blotting teaching kit | 3 | 3 |
|  | Radial immunodiffusion kit | 4  | 4 |
|  | Ouchterlony double diffusion kit | 4 | 4 |
|  | Plasmid isolation kit (solution based)  | 4 | 4 |
|  | Rocket Immuno Electrophoresis Kit | 3 | 3 |
|  | Beaker- 25 ml | 10 | 10 |
|  | Beaker -250ml | 15 | 15 |
|  | Beaker -500ml | 10 | 10 |
|  | Beaker-1000ml | 10 | 10 |
|  | Blood lancets | 800  | 800 |
|  | BOD Bottle – 300ml | 25 | 25 |
|  | Boiling tube 25x150 -55ml | 100 | 100 |
|  | Burette- 50ml | 10 | 10 |
|  | Centrifuge tube-15ml | 75 | 75 |
|  | Chromatograph Whatmann paper No.1 | 100 Sheets | 100 sheets |
|  | Cleaning Brush for test tubes - large | 15 | 15 |
|  | Cleaning Brush for test tubes - small | 15 | 15 |
|  | Conical flask – 1000ml | 10 | 10 |
|  | Conical flask – 100ml | 15 | 15 |
|  | Conical flask – 250ml | 15 | 15 |
|  | Conical flask – 500ml | 15 | 15 |
|  | Cotton rolls- Absorbent | 55 | 55 |
|  | Cotton rolls- Non Absorbent  | 55  | 55 |
|  | Cover slip 18mm Square | 15 pkts | 15 pkts |
|  | Cuvette | 10 | 10 |
|  | Durhams tube | 5 pkt (500 nos) | 5 pkt (500 nos) |
|  | Eppendorf tube-2ml | 500  | 500 |
|  | ESR stand | 3 | 3 |
|  | Filter paper round- Size: 9cm, whatsmann | 2 pkts of 100 | 2 pkts of 100 |
|  | Filter paper sheet | 100 | 100 |
|  | Hemocytometer | 10  | 10 |
|  | Magnifying lens | 4 | 4 |
|  | Measuring Jar – 100ml | 5 | 5 |
|  | Measuring Jar – 500ml | 2 | 2 |
|  | Micropipette 100-1000µl | 5 | 5 |
|  | Micropipette - 50µl | 5 | 5 |
|  | Micropipette- 20µl | 5 | 5 |
|  | Micropipette tips- 50-100 μl | 1 pkt of 500 | 1 pkt of 500 |
|  | Micropipette tips-100-1000 μl | 1 pkt of 500 | 1 pkt of 500 |
|  | Micropipette tips-20 µl | 1 pkt of 500 | 1 pkt of 500 |
|  | Micropipette-10 -100µl | 5 | 5 |
|  | Micropipette-100 -1000µl | 15 | 15 |
|  | Micropipette-1000 -2500µl | 2 | 2 |
|  | Petridish 100 x 15mm | 25 | 25 |
|  | Petridish 100 x 17mm | 25 | 25 |
|  | Pipette Pump- 10 ml | 5 | 5 |
|  | Pipette Pump- 5ml | 5 | 5 |
|  | Pipettes - 10ml | 5 | 5 |
|  | Pipettes – 1ml | 5 | 5 |
|  | Pipettes – 2ml | 5 | 5 |
|  | Pipettes – 5ml | 5 | 5 |
|  | Plastic Tray 12 x 15 | 30 | 30 |
|  | Screw capped test tube flat bottom – 30ml | 50 | 50 |
|  | Screw capped test tube flat bottom -15ml | 50 | 50 |
|  | Screw capped test tube round bottom – 30ml | 50 | 50 |
|  | Screw capped test tube round bottom -15ml | 50 | 50 |
|  | Spatula | 20 | 20 |
|  | Spirit lamp | 25 | 25 |
|  | Steel test tube rack | 50 nos | 50 nos |
|  | Syringe- 5ml | 100  | 100 |
|  | TLC Silica gel 60 F254 (25 Aluminium sheets 20x20cm) | 1 pkt | 1 pkt |
|  | Widal test tubes | 100 | 100 |
| Preferred brands for Chemicals – Merck and HimediaPreferred brands for Glasswares – Borosil and Merck |  |