**Departmentt of Zoology**

**Government College for Women,Thiruvananthapuram**

**PLAN FUND-2021-22**

**List of Chemicals and Glasswares**

**The items must be of good quality from reputed brands preferably NICE,SRL,Spectrum,Himedia,Borocil,CDH,LOBA.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. no.** | **Item** | **Unit** | **Quantity** |
| 1.        | Acetic acid glacial -500ml | 1 | 2 |
| 2.        | Acetoorceine stain -100ml | 1 | 2 |
| 3.        | Acetocarmine stain-100ml | 1 | 1 |
| 4.        | Acetone-2.5 L | 1 | 10 |
| 5.        | Aluminum foil, L 9mts x W 30 cm, roll of 1 Kg | 1 | 2 |
| 6.        | Ammonium hydroxide 500g | 1 | 1 |
| 7.        | Ammonia solution | 500 ml | 4 |
| 8.        | Ammonium chloride | 500 g | 1 |
| 9.        | Anthrone | 25 g | 2 |
| 10.    | Ascorbic Acid  | 100g | 1 |
| 11.    | Beaker- Borosilicate -100ml | 1 | 10 |
| 12.    | Beaker -1000 ml , polypropylene, | 1 | 2 |
| 13.    | Beaker Borosilicate -500 ml | 1 | 10 |
| 14.    | Beaker-borosilicate , graduated, -250 ml | 1 | 10 |
| 15.    | Beaker-borosilicate, graduated, -1000 ml | 1 | 10 |
| 16.    | Beaker-borosilicate, graduated, -10ml | 1 | 10 |
| 17.    | Beaker-borosilicate, graduated, -20 ml | 1 | 10 |
| 18.    | Beaker-borosilicate, graduated, -50ml | 1 | 10 |
| 19.    | Benedict's reagent.500ml | 1 | 4 |
| 20.    | Biosol/Lampsol for spirit lamp | 1L | 10 |
| 21.    | Black paper for display of specimens | 1 | 50 |
| 22.    | Blood lancet- Ultra fine, diabetic type, tri bevel tip, universal design fits all lancing devices- packet of 100 | 1 | 2 |
| 23.    | Blotting paper thick 45x56 cm | 1 sheet | 100 |
| 24.    | Bluestar-Microslides-75x25mm, manufactured from best, selected and optically flat glass sheets | 1pkt | 10 |
| 25.    | Borosilicate Petri plates -can withstand high temp and repeated autoclaving (100 mm x17mm) | 1 | 10 |
| 26.    | Borosilicate Petri plates -can withstand high temp and repeated autoclaving (150 mm x20mm) | 1 | 10 |
| 27.    | Bright plated steel pins. Needle point and solid head | 1 box | 20 |
| 28.    | Buffer powder pH 4.0(10Cp) | 1 | 4 |
| 29.    | Buffer powder pH 7.0(10Cp) | 1 | 4 |
| 30.    | Buffer powder pH 9.2(10 Cp) | 1 | 4 |
| 31.    | Burette Stand (Wooden) | 1 | 10 |
| 32.    | Burette stand-sturdy, stable with heavy steel, plate base with leveling screw legs, powder coated heavy and superior | 1 | 10 |
| 33.    | Burettes with Teflon stop cock-heavy wall borosilicate tubing glass -50ml | 1 | 10 |
| 34.    | BOD bottle -300ml | 1 | 50 |
| 35.    | Cadmium chloride 100g | 1 | 1 |
| 36.    | Calcium chloride 500g | 1 | 1 |
| 37.    | Carbanol-500ml | 1 | 2 |
| 38.    | Casein 250 g | 1 | 1 |
| 39.    | Cavity block with cover/lid-40 x40 mm | 1 | 10 |
| 40.    | Cavity block with cover/lid-55 x55 mm | 1 | 10 |
| 41.    | Centrifuge tubes 50 ml conical bottom polypropylene, autaclavable, tarson, Axygen or equivalent (one packet containing 20 or 25 tubes) | 1 | 2 |
| 42.    | Centrifuge tubes borosilicate glass graduated 15 ml | 1 | 4 |
| 43.    | Chattaway spatula, stainless forging, flat, with one side bent, 6 inch | 1 | 5 |
| 44.    | Chemical protection Safety goggles-hard coated polycarbonate, adjustable headbands, transparent, 19x11x10.4 cm | 1 | 1 |
| 45.    | Chloroform 500 ml | 1 | 5 |
| 46.    | Cholesterol Reagent Kit | 1 | 2 |
| 47.    | Cholesterol-5g | 1 | 2 |
| 48.    | Cleansol-Laboratory detergent improved-500 mL | 1 | 2 |
| 49.    | Cling Film Wrap, Transparent plastic film, W30cm x L30mts | 1 roll | 2 |
| 50.    | Conical bottom centrifuge tubes- 15 ml Polypropylene  | 1 | 2 |
|  | autoclavable, tarson,Axygen or equivalent (one packet containing 20 or 25 tubes), radiation sterilized |
| 51.    | Conical flask- borosilicate glass-1000ml | 1 | 5 |
| 52.    | Conical flask- borosilicate glass-2000ml | 1 | 3 |
| 53.    | Conical flask- borosilicate glass-25ml | 1 | 5 |
| 54.    | Conical flask-250ml | 1 | 10 |
| 55.    | Conical flask-500ml | 1 |  |
| 56.    | Conical flask-50ml | 1 | 10 |
| 57.    | Copper sulphate-500g | 1 | 1 |
| 58.    | Cotton (Absorbant)-500g | 1 | 2 |
| 59.    | Coverslips -22mm x 22 mm, 18mm x 18mm, superior quality, manufactured from imported mechanically drawn glass, optically flat | 1packet | 5 |
| 60.    | Coverslips -22mm x 40 mm 18mm x 18mm, superior quality, manufactured from imported mechanically drawn glass, optically flat | 1packet | 5 |
| 61.    | Coverslips –rectangular 22x30mm | 1 packet | 5 |
| 62.    | Coverslips square- 18mm x 18mm, superior quality, manufactured from imported mechanically drawn glass, optically flat | 1packet | 10 |
| 63.    | Cupric sulphate anhydrous-98%-500g | 1 | 1 |
| 64.    | Deoxyribonucleic acid sodium salt from salmon testes-250 mg | 1 | 2 |
| 65.    | Dettol-500 ml | 1 | 4 |
| 66.    | Dextrose anhydrous A.R. -500g | 1 | 1 |
| 67.    | Di Nitro Salicylic acid (DNSA)-25g | 1 | 1 |
| 68.    | Diphenylamine AR-99%-100g | 1 | 3 |
| 69.    | 2,2-Diphenyl-1-Picrylhydrazyl (DPPH) | 250 mg | 1 |
| 70.    | Disodium hydrogen phosphate-500g | 1 | 1 |
| 71.    | Dissection board 8x6’’ | 1 | 10 |
| 72.    | Dissection pin | 1pkt (100) | 10 |
| 73.    | Dissection Plastic Tray 10x12” | 1 | 20 |
| 74.    | EDTA 100g | 1 | 4 |
| 75.    | Eppendorf tubes 1.7 ml (polypropylene) autoclavable | 1 | 1 |
| 76.    | Eppendorf tubes 2ml (polypropylene) autoclavable | 1 | 1 |
| 77.    | Eryochrome black-T solution-125ml | 1 | 3 |
| 78.    | Ethanol-500ml | 1 | 10 |
| 79.    | Ether solvent-500ml | 1 | 2 |
| 80.    | Ethyl acetate 500 ml | 1 | 10 |
| 81.    | Fehling's solution No:1 500 ml | 1 | 2 |
| 82.    | Fehling's solution No:2 500 ml | 1 | 2 |
| 83.    | Ferric chloride.500g  | 1 | 1 |
| 84.    | Ferrous sulphate-500g | 1 | 1 |
| 85.    | Ferrous ammonium sulphate 500g | 1 | 1 |
| 86.    | Ferrozine | 1 g | 1 |
| 87.    | Filter paper sheets 46x57cms  | 1 | 10 |
| 88.    | Folin&Ciocalteus Phenol Reagent-500ml | 1 | 2 |
| 89.    | Folin-lowry reagent-250ml | 1 | 1 |
| 90.    | Formaldehyde | 5 L | 4 |
| 91.    | Formic acid 85% 500 ML | 1 | 2 |
| 92.    | Funnel 75mm (Borosilicate) | 1 | 10 |
| 93.    | Funnel-Borosilicate, glass, 2 inch | 1 | 5 |
| 94.    | Funnel-Borosilicate, glass, 2.5 inch | 1 | 5 |
| 95.    | Gallic Acid-100g | 1 | 1 |
| 96.    | Giemsa’s stain-125 ml | 1 | 2 |
| 97.    | Glucose 500 g | 1 | 2 |
| 98.    | Glycine(amino acetic acid)250g | 1 | 1 |
| 99.    | Gram Staining Kit-Nice, Himedia | 1 | 3 |
| 100.                        | Grouping antigen A+B+D | 1 | 4 |
| 101.                        | Haematoxylin stain-125ml | 1 | 2 |
| 102.                        | Hexane 500 ml | 1 | 40 |
| 103.                        | Hydrogen Peroxide500 ml | 1 |
| 104.                        | Iodine solution-100ml | 1 | 2 |
| 105.                        | Hydrocholoric acid AR-500ml | 1 | 1 |
| 106.                        | Indicator paper PH 1-14 200LVS | 1 | 10 |
| 107.                        | Industrial Orange Rubber hand Gloves, acid and alkali proof Length:18 inch | 1 pair | 4 |
| 108.                        | Isopropyl Alchohol-99% | 1 | 10 |
| 109.                        | Janus green stain- 5g | 1 | 1 |
| 110.                        | Lamposolv (for Spirit Lamp)-500ml | 1 | 15 |
| 111.                        | Leishman's stain soln.250 ml-B | 1 | 4 |
| 112.                        | Lens cleaning paper -100 sheets (9 x 14 cm) | 1 | 2 |
| 113.                        | L-leucine 5g | 1 | 1 |
| 114.                        | L-proline 5g | 1 | 1 |
| 115.                        | L-valine 5g | 1 | 1 |
| 116.                        | Magnetic Stirrer Bar-7 pieces | 1 | 1 |
|  | 4 x 10 mm / 0.2 x 0.4 in |
|  | 8 x 15 mm / 0.3 x 0.6 in |
|  | 8 x 20 mm / 0.3 x 0.8 in. |
|  |  8 x 25 mm / 0.3 x 1.0 in |
|  | 9 x 28 mm / 0.4 x 1.1 in |
|  | 10 x 30 mm / 0.4 x 1.2 in |
|  | 9 x 35 mm / 0.4 x 1.4 in |
| 117.                        | Maltose monohydrate-250g | 1 | 1 |
| 118.                        | Manganous sulphate-500g | 1 | 1 |
| 119.                        | Manosol surgical spirit | 1 | 2 |
| 120.                        | Measuring cylinder 1000 ml polypropylene, graduated, autoclavable, hexagonal base, superior | 1 | 2 |
| 121.                        | Measuring cylinder 10ml, glass | 1 | 5 |
| 122.                        | Measuring cylinder 250ml glass grad. | 1 | 5 |
| 123.                        | Measuring cylinder 500ml glass grad. | 1 | 5 |
| 124.                        | Measuring cylinlder glass100ml, | 1 | 5 |
| 125.                        | Mercuric chloride solution-125ml | 1 | 1 |
| 126.                        | Methanol (Acetone free)-2.5 L | 1 | 20 |
| 127.                        | Methyl Benzoate-250ml | 1 | 1 |
| 128.                        | Methylene blue stain-125ml | 1 | 1 |
| 129.                        | Micro slide 75x25mm/blue star | 1 | 10 |
| 130.                        | Micropipette stand, acrylic | 1 | 1 |
| 131.                        | Micropipette-10-100µ (variable volume) | 1 | 4 |
| 132.                        | Microscope Glass Slides (75 x 25 x 1.4 mm) -Pack of 50 | 1 | 3 |
| 133.                        | Microscope Stage clip | 1 | 40 |
| 134.                        | Microslides-75x25mm | 1pkt | 10 |
| 135.                        | Microtome blade 12x4cm compatible Amba microtome  | 1 | 2 |
| 136.                        | Mueller hinton agar 100G | 1 | 1 |
| 137.                        | Muller Hinton Broth-100 g | 1 | 1 |
| 138.                        | N-Butyl Alcohol-1000 ml | 1 | 10 |
| 139.                        | Neutral red powder 5 g | 1 | 1 |
| 140.                        | Nickel plated steel pins with solid heads. Length 36mm | 1 box | 10 |
| 141.                        | Ninhydrin AR 10 GM | 1 | 1 |
| 142.                        | Nitric acid 500 ml | 1 | 2 |
| 143.                        | Nitrile gloves, powder free, latex free, odour free, Large size, one packet containing 100 gloves | 1 | 1 |
| 144.                        | Nutrient Agar-100g | 1 | 1 |
| 145.                        | Nutrient broth-100g | 1 | 1 |
| 146.                        | Orthophosphoric acid 500ml | 1 | 2 |
| 147.                        | Paraflim M: one roll size 4ʺ x 125” | 1 | 1 |
| 148.                        | Pepsin-50g | 1 | 1 |
| 149.                        | Perchloric acid-250ml | 1 | 1 |
| 150.                        | Periodic acid-25g | 1 | 1 |
| 151.                        | Petri dishes 100x15mm s-line | 1 | 20 |
| 152.                        | Petri dishes 80x15mm s-line | 1 | 20 |
| 153.                        | Petroleum ether 60-80 C 500ml | 1 | 4 |
| 154.                        | Picric acid-100ml | 1 | 3 |
| 155.                        | Pipette -10ml(single mark) | 1 | 10 |
| 156.                        | Pipette brush with nylon bristles | 1 | 10 |
| 157.                        | Pipette bulb natural rubber, pipettes upto 100 ml | 1 | 5 |
| 158.                        | Pipette Tips blue (1 ml) | 1 | 1 |
| 159.                        | Pipette Tips yellow (200 µl) | 1 | 1 |
| 160.                        | Pipettes, graduated, borosilicate, accurate, tested and heavy walled, accuracy as per class B IS:878:1975-20ml | 1 | 10 |
| 161.                        | Pipettes, graduated, borosilicate, accurate, tested and heavy walled, accuracy as per class B IS:878:1975-5ml | 1 | 10 |
| 162.                        | Pneumatic trough 12'x6'(30x15C | 1 | 2 |
| 163.                        | Potassium chloride 99.5% 500gm | 1 | 1 |
| 164.                        | Potassium chromate lr 500 gm | 1 | 1 |
| 165.                        | Potassium dichromate lr 500 g | 1 | 1 |
| 166.                        | Potassium Ferricyanide-500g | 1 | 1 |
| 167.                        | Potassium hydroxide-500g | 1 | 2 |
| 168.                        | Potassium iodide-25g | 1 | 2 |
| 169.                        | Potassium permanganate 500gm | 1 | 1 |
| 170.                        | Protein marker (3.5 to 260 kDa) | 1 | 1 |
| 171.                        | Quercetin-25g | 1 | 1 |
| 172.                        | Rack for centrifuge tubes, hold centrifuge tubes 30x15ml and 20x 50ml | 1 | 1 |
| 173.                        | Reagent bottle (1000ml) | 1 | 5 |
| 174.                        | Reagent Bottle (500ml) | 1 | 5 |
| 175.                        | Reagent bottle (5L) | 1 | 2 |
| 176.                        | Reagent bottles (125ml) | 1 | 10 |
| 177.                        | Reagent bottles (250ml) | 1 | 10 |
| 178.                        | Schiff’s reagent -125ml | 1 | 1 |
| 179.                        | Semi- micro Spatula, stainless steel, one side flat one side spoon, 6 inch | 1 | 5 |
| 180.                        | Separation funnel -250 ml | 1 | 1 |
| 181.                        | Silver nitrate 25g | 1 | 1 |
| 182.                        | Sodium Acetate-500g | 1 | 1 |
| 183.                        | Sodium carbonate-500g | 1 | 1 |
| 184.                        | Sodium fluoride 500 g | 1 | 1 |
| 185.                        | Sodium hydroxide 500g | 4 | 1 |
| 186.                        | Sodium phosphate monobasic- 500 gm | 1 | 1 |
| 187.                        | Sodium potassium tartrate 250g | 1 | 1 |
| 188.                        | Sodium thiosulphate 500g | 1 | 1 |
| 189.                        | Spatula, stainless steel, one side flat one side spoon, 8 inch, 10 inch | 5 each |
| 190.                        | Spirit lamp, metal, stainless steel 125 ml spun type | 1 | 5 |
| 191.                        | Staining Stand (Equitron made) Full stainless steel rigid construction, 280 mm longFor washing staining slides | 1 | 4 |
|  |  |
| 192.                        | Starch soluble 500gm | 1 | 1 |
| 193.                        | Sterile Disc-6mm-1 vial | 1 | 2 |
| 194.                        | Sterilization indicator tapes (one roll) | 1 | 1 |
| 195.                        | Sticker labels-Book containing 200 labels | 1 | 3 |
| 196.                        | Sulphosalicylic acid soln.N/10 | 1 | 4 |
| 197.                        | Sulphuric acid LR 500ml | 1 | 2 |
| 198.                        | Test tube 15x125mm(13ML)with r | 1 | 100 |
| 199.                        | Test tube 25 x 150 mm | 1 | 50 |
| 200.                        | Test tube brush with nylon bristles | 1 | 10 |
| 201.                        | Test tube holder iron c.p | 1 | 50 |
| 202.                        | Test Tube stand –polypropylene 31 tubes x 16 mm, Dimension 27 x 6 x 12 cm, 31 places | 1 | 2 |
| 203.                        | Test Tube Stand-polypropylene-6 place rack, 2 holes for holding 25 mm diameter test tubes and four holes for holding 16mm diameter tubes | 1 | 10 |
| 204.                        | Thiobarbituric Acid-5g | 1 | 1 |
| 205.                        | Tip box for holding 1 ml blue tips | 1 | 1 |
| 206.                        | Tip box for holding 200 µl yellow tips | 1 | 1 |
| 207.                        | Tissue paper-roll packet | 1 | 5 |
| 208.                        | Tocopherol-25g | 1 | 1 |
| 209.                        | Tooth Pick-wooden, pointed at one end, high quality, one packet containing 250 sticks | 1 | 12 |
| 210.                        | Tooth Pick-wooden, pointed at one end, high quality, one packet containing 250 sticks | 1 | 18 |
| 211.                        |  Transaminase kitALT&AST | 1 each | 2 |
| 212.                        | Trichloroacetic acid-500g | 1 | 1 |
| 213.                        | Trypsin-100g | 1 | 1 |
| 214.                        | Turk’s Fluid-125ml | 1 | 5 |
| 215.                        | Tyrosine 5g | 1 | 2 |
| 216.                        | Universal indi.soln.125ml | 1 | 2 |
| 217.                        | Wash Bottles 250 mlTarson, new type | 1 packet (12 nos) | 1 |
| 218.                        | Watch glass-3” | 1dozen | 5 |
| 219.                        | Whatman Filter paper Grade1 Filter Paper-11 cm-1 packet of 100 sheets | 1 | 1 |
| 220.                        | Whatmann’s no:1 Filter Paper-9cm-1 packet | 1 | 10 |
| 221.                        | Wick for spirit Lamp -Packet containing bundle of 12 | 1 | 3 |
| 222.                        | Wright’s Stain-125ml | 1 | 5 |
| 223.                        | Xylene –sulphur free 99.5 % | 1 | 3 |