**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 kit  ALT&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 ml  Tarson, 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 |