

DEPARTMENT OF BIOTECHNOLOGY

LIST OF CHEMICALS AND GLASSWARE REQUIRED IN BIOTECHNOLOGY LAB FOR THE YEAR 2021-2022

CHEMICAL LIST:-

| SL NO | ITEM | BRAND | QUANTITY |
|-------|------------------------------------|-------|------------|
| 1. | Acetocarmine | Nice | 100 ml x 2 |
| 2 | Ethyl alcohol | NICE | 500mlx4 |
| 3 | Chloroform | NICE | 500ml x3 |
| 4 | Glacial acetic acid | NICE | 500mlx 3 |
| 5 | Acetone | NICE | 500mlx3 |
| 6 | Sodium carbonate | NICE | 200gm |
| 7 | Bovine serum albumin | MERCK | 10gm |
| 8 | Sodium hydroxide | NICE | 500gm |
| 9 | Copper sulphate | Nice | 100gm |
| 10 | Folin-ciocalteau reagent | NICE | 100ml |
| 11 | Coomassie Brilliant Blue | MERCK | 100ml |
| 12 | Orthophosphoric acid | NICE | 250gm |
| 13 | L-Proline | NICE | 5gm |
| 14 | L-Leucine | NICE | 5gm |
| 15 | L-Methionine | NICE | 5gm |
| 16 | L-Valine | NICE | 5gm |
| 17 | Petroleum benzine | NICE | 100ml |
| 18 | Ninhydrin | NICE | 10gm |
| 19 | Ninhydrin sprayer reagent | NICE | 100ml |
| 20 | Beef extract | NICE | 100gm |
| 21 | Lactose broth | NICE | 200gm |
| 22 | Peptone | NICE | 200gm |
| 23 | Sodium azide | Nice | 100gm |
| 24 | Potassium hydroxide | NICE | 500gm |
| 25 | Sodium iodide | Nice | 100 gm |
| 26 | Potassium hydroxide | NICE | 500gm |
| 27 | Sodium iodide | Nice | 100 gm |
| 28 | Salicylic acid | NICE | 100gm |
| 29 | Tris hydroxyl methyl hydrochloride | NICE | 200 gm |
| 30 | EDTA | MERCK | 100gm |
| 31 | Glucose | NICE | 500gm |
| 32 | Potassium Acetate | NICE | 500gm |
| 33 | Bromophenol blue | MERCK | 25gm |
| 34 | Xylene cyanol | Nice | 5 gm |
| 35 | Tris salt | NICE | 25gm |
| 36 | Ammonium ferrous sulphate | Nice | 200gm |

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| 37 | Silver sulphate | NICE | 10gm |
| 38 | Mercuric chloride | NICE | 200gm |
| 39 | Ferriin indicator | Nice | 100ml |
| 40 | um chloride | NICE | 500gm |
| 41 | Magnesium sulphate | NICE | 500gm |
| 42 | Ferric chloride | NICE | 500gm |
| 43 | Ammonium chloride | NICE | 500gm |
| 44 | Disodium hydrogen phosphate | NICE | 500gm |
| 45 | Manganous sulfate (MnSO ₄ .4H ₂ O) | NICE | 200 gm |
| 46 | Sodium thiosulphate | NICE | 500gm |
| 47 | Isopropanol | NICE | 500ml x 3 Nos |
| 48 | Petroleum ether | NICE | 500ml |
| 49 | Sulphuric acid | NICE | 500ml |
| 50 | Phenol | NICE | 500ml |
| 51 | Isoamylalcohol | NICE | 500ml |
| 52 | Methylene blue | NICE | 125ml |
| 53 | Potassium dichromate | NICE | 200gm |
| 54 | Cotton absorbent | | 3 |
| 55 | Crystal violet | Nice | 100ml |
| 56 | Saffranin | Nice | 100 ml |
| 57 | Leishman's stain | Nice | 100ml |
| 58 | Gram's iodine solution | Nice | 100 ml |
| 59 | Acetocarmine | Nice | 100 ml |
| 60 | Lactose | Nice | 200 gm |
| 61 | Diphenylamine | Nice | 100gm |
| 62 | Sodium citrate | Nice | 100gm |
| 63 | Nigrosin | NICE | 125 ml |
| 64 | Formalin | NICE | 125ml |
| 65 | Carbol Fuschin | NICE | 125ml |
| 66 | Potassium chloride | NICE | 100gm |
| 67 | Sodium sulphate | NICE | 100gm |
| 68 | Trisodium citrate | NICE | 100gm |
| 69 | Sodium potassium tartarate | NICE | 100gm |
| 70 | Glycerol | NICE | 100ml |
| 71 | Yeast extract | NICE | 100gm |

GLASSWARES:

| SL NO | ITEM | BRAND | QUANTITY |
|-------|---------------|---------|----------|
| 1 | Petriplates | Borosil | 25 |
| 2 | Test Tubes | Borosil | 50 |
| 3 | Boiling tubes | Borosil | 20 |

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|----|-----------------------------|---------|-------------|
| 4 | Cavity Slide | Borosil | 50 |
| 5 | Rbc Pipette | Borosil | 10 |
| 6 | Wash Bottles | Borosil | 250ml x 5 |
| 7 | Beaker | Borosil | 100 ml x 5 |
| 8 | Beaker 500 Ml | Borosil | 500 ml x 5 |
| 9 | Conical Flask | Borosil | 250ml x 2 |
| 10 | Conical Flask | Borosil | 500ml x 2 |
| 11 | BOD Bottles | Borosil | 300ml x 15 |
| 12 | Measuring cylinder | Borosil | 10ml x 5 |
| 13 | Measuring cylinder | Borosil | 50ml x 10 |
| 14 | Measuring cylinder | Borosil | 100ml x 5 |
| 15 | Pipette | Borosil | 5 ml x 10 |
| 16 | Pipette | Borosil | 10ml x 5 |
| 17 | Pipette | Borosil | 1ml x 10 |
| 18 | Pipette | Borosil | 2ml x 10 |
| 19 | Volumetric flask | Borosil | 50ml x 2 |
| 20 | Coverslips- square | Borosil | 4 pack |
| 21 | Micropipette | | 100-1000 ul |
| 22 | Micropipette Tips | | 1ml tips |
| 23 | Micropipette Tip boxes | | 5 |
| 24 | Test tube rack steel | | 5 |
| 25 | Capillary tube 1.5-1.8mm | | 5 |
| 26 | L-rod (microbiology) | Glass | 3 |
| 27 | Tissue culture bottle | Glass | 5 |
| 28 | Spirit lamp stainless steel | | 2 |
| 29 | Burette stand | | 5 |
| 30 | Plastic tray | | 5 |