

DEPARTMENT OF PATHOLOGY LIST OF EQUIPMENTS

| Sr. No. | Description | No. of Equipments |
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Morbid Histology and Morbid Anatomy Sections

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| 1 | WEIGHING MACHINE FOR CADAVERES - Digital display, having weighing capacity of the machine 200 kg, with stracher. | 1 |
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| 2 | FREEZING MICROTOME | 1 |
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The principal of the CO₂ in cryospray is used in initial freezing of tissue before sectioning. The rate of freezing is comparable with CO₂ which is non - flammable and used in both temperature and tropical climates. For use in Histology immunofluorescent sections paraffin blocks have also successfully been used in the field of dermatology based on principle of freezing with the help of evaporation of carbon dioxide gas around the specimen. Freezing stage is suitable surrounded by plastic cap which prevents undue wastage of CO₂ gas. Table model, widely used in medical and industrial fields, can be clamped at any corner of work table allowed section thickness range between 5 - 40 microns in steps of 5 microns. Supplied complete with CO₂ freezing attachment having specimen size of 32 mm diameter, gas pipe, one knife 120 mm having back and handle in wooden box, honing plate but without gas cylinder.

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| 4 | HOT PLATES | |
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Laboratory hot plates are available in round and rectangular shapes.

Body is fabricated out of thick mild steel sheet duly finished is stoving enamel paint. The hot plate made of cast iron nicely & precisely machined & smoothed duly finished in heat resistant black paint is firmly mounted on the body. Heavy duty heating elements are securely layed under the plates to operate on 220V Ac 50 Hz single phase. Temp. is controlled by a three heat rotary switch along with an indicators lamp for the main sand cord & plug.

Available in following types :-

A) Hot Plate (Round) Double Two Plates of 20cm (8" Dia) **1**

5 HOT AIR OVEN - 50°C for Special Staining

Standard double wall fabrication. Inner chamber made of richly anodized aluminum or highly polished stainless steel sheet. Exterior fabricated out of thick mild steel sheet duly finished in stoved enamel off-white paint or Powder coated paint combinations. The gap between the walls is filled with special grade glass-wool for heat insulation. Inner chamber is ribbed for placing shelves at convenient levels. Provided with two or three removable shelves. Special elegant door closing device has been provided. Nichrome wire heating elements provided on three sides attain quick and uniform heating in range of 50°C to 250 ° C \pm 1°C controlled by capillary type thermostat. L-shaped thermometer is built in type. Control panel is provided with selector switch of high or low rates of power, thermostat control knob and indicators for main & thermostat. Supplied with cord & plug. The equipment is suitable to operate on 220 V AC 50Hz single phase.

S. S. Chamber sizes:-

16"x16"x16" **2**

Optional accessories at extra cost.

i). Air circulating fan. **1**

ii). Digital temp. Indicator-cum-controller **1**

6 PARAFFIN EMBEDDING BATH

Standard double wall construction, inner being of S.S
outer of M.S duly stoving paint finish or Powder coated
paint and gap fitted for temp. insulation with glass wool.
Top cover with 75 mm (3") holes with
concentric rings. Temp. range 5° C above ambient to 95°C
controlled by a thermostat. Heating is attained by an
immersion type element with accuracy of ± 1°C supplied
complete with plug & cord Panel provided with pilot lamp,
thermostat control knob etc.
Paraffin Embedding baths S.S Chamber double walled
with thermostatically controlled.
a) 12 Cup 14 Sleeves

1

6b ELECTRIC VACUUM EMBEDDING BATHS

1

vacuum oven size 12"x12" fitted with digital temp.
controller, supplied along with the vacuum pump fitted with
non return valve

7 AUTOCLAVE ELECTRIC

Available in following sizes :

12" x 12" (Portable Electrical S.S Chamber)

2

8 DISTILLED WATER STILL

1

Cap 4/5 ltr. per hr Made of S. S. joint less, wall hanging
model. Electrical heated.

9 WATER BATH 57° C / SEROLOGICAL WATER BATH

Double wall construction, inner being made out of highly polished thick S. S. and outer made of thick mild steel sheet finished in stoving white enamel paint or staple mat colour combinations. The gap is filled with special glass wool for temp. insulation. The bath is provided with a drain cock to easily drain out the water and clean the chamber when required. A pyramidal shaped cover provided. Immersion type heating elements are fitted at bottom . Temp range 5° above ambient to 80°C with accuracy ± 0.5° C to 1°C is controlled by capillary thermostat regulated by a graduated knob on the panel, which is also provided with pilot lamp etc. The equipment is workable on 220V AC 50 Hz single phase. The baths are supplied without racks, thermometers and stirring arrangement. Available in following sizes :-

12" x 10" x 7" 1

Optional Accessories at extra cost :-

i) Digital temp. Indicator cum -controller 1

ii) Stirrer with 1/20 H.P High Speed motor with stainless stirring rod and blade 1

11 CENTRIFUGE MACHINE

a) 8/12 tube electrical - heavy duty fitted with digital rpm meter **Order Placed**

12 COLORIMETER PHOTOELECTRIC - 8 Filter Digital **1**
Table Top with auto 0 facility

13 CABINET FOR 1000 SLIDES **1**
Made from thick ply covered with sunmica, with slide box made of teak frame, laminated top - wooden or alluminium slide grooves, moisture proof clear lacquer polish.

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| 17 | STAINING RACK / SLIDE CARIER - made of S.S | |
| | a) For 10 Slides | 7 |
| | b) For 20 Slides | 8 |
| 18 | TROUGHS FOR STAINING IN BULK | |
| | a) For 10 Slides | 9 |
| | b) For 20 Slides | 9 |
| 20 | WATER BATH ELECTRIC / TISSUE FLOTATION | |
| | <p>Suitable to spread wax section ribbons after microtomy to get wrinkle free specimen for staining. Double wall round construction. Inner chamber black anodized aluminium and outer made out of mild steel sheet duly finished in stoving white enamel paint. Inner chamber is single stainless piece to avoid chances of any leakage with enough wide rim for drying wet slides. Temp. range 5° C above ambient to 70°C ± 2°C. Immersion type heating elements attain the controlled temp. regulated by a capillary thermostat. Panel provided with thermo regulator knob pilot lamp and is supplied with cord & plug. Equipment workable on 220 V AC 50 Hz single phase</p> <p>Available in following sizes :-</p> | |
| | a) 10" x 5" | 1 |
| 21 | BALANCE CHEMICAL | |
| | 300 gm weight capacity accuracy 10 mg | 1 |
| 24 | POLARISING ATTACHMENTS FOR MICROSCOPE | Order Placed |
| | Student Polarising microscope | |

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| 25 | MICROMETERS - OCULAR - Indian make | 1 |
| 26 | DEMONSTRATION EYE PIECE - 10X Hygenian type with pointer | 6 |
| 27 | MAGNIFYING LENSE - 4" Metal Frame | 6 |
| 28 | BLOOD PRESSURE INSTRUMENT Available in following models:- a) Pagoda make mercury | 2 |
| 29 | STAGE MICROMETER a) Indian Make | 2 |
| 31 | LABORATORY COUNTER - Nine keys | 8 |
| 32 | LABORATORY STIRRER - Complete with speed regulator | 1 |
| 33 | AUTOMATIC TIMER | 2 |
| 34 | BALANCE FOR WEIGHING ORGANS a) Digital type, weighing capacity 30Kg | 1 |
| 35 | SAWS, WIRE FOR CUTTING BONES - Made of S. S. | 1 |
| 36 | SLIDE BOXES FOR 100 SLIDES a) Plastic | 200 |
| 37 | DRILL FOR BORING GLASS / GLASS BLOWING TOOLS | 2 |

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| 38 | BLOW PIECE WITH BELLOWS FOR BENDING GLASS | 2 |
| | Blowing burner- without gas cylinder | |
| 39 | MICROGRAPHIC APPARATUS - Imported Trinocular microscope with microphotography system and with high power digital camera. Note:- Available in different models | 1 |
| 40 | X-RAY VIEWING BOX - Fluorescent Outer body made of M.S powder coated, with superior quality tube fitting. Model Available:- i) For Single X -Ray's Viewing | 2 |
| 41 | DOUBLE DEMONSTRATION EYE PIECE This instrument is widely used in colleges and schools for simultaneous viewing of the object by the teacher's and students. A detachable and rotatable pointer moves in all directions to facilitate demonstration and is visible in both the eye-pieces. The eye pieces on the extension tube can be focussed independently. The extension tube is suitable to facilitate viewing complete in velvet box. | 4 |
| 42 | MICRO PROJECTION APPARATUS / SENIOR PROJECTION MICROSCOPE A highly advanced projection equipment providing additional advantage for specimen measurements. Equipped with superb right halogen lamp 195 mm dia graduated screen ROTATABLE through 360° and built in movable compensating eye piece to provide mag. Range 125x to 1000x with following four objectives supplied alongwith. Objectives:- 4(Nos)-5x, 10x, 20x & 40x/45x. Complete as above with one stage micrometer for measuring purpose and dust cover | Order Placed |

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| 43 | STERNAL PUNCTURE NEEDLE - Adult size | 2 |
| 44 | STERNAL PUNCTURE NEEDLE - Child size | 2 |
| 45 | LIVER BIOPSY NEEDLE | 2 |
| 46 | BOX WEIGHT ANALYTICAL - 200 gm cap. | 2 |
| 47 | STOP WATCH a) Digital Model | 6 |
| 48 | ULTRAVIOLET LAMP WITH STAND | 1 |
| 49 | pH METER ELECTRIC Digital table top model with stand buffer tablets & solution bottles | 1 |
| 50 | MICROSCOPE, BINOCULAR RESEARCH Microscopes Binocular with 10x & 15x W.F. paired eye piece with 5x, 10x, 45x & 100x Objective with coaxial mechanical stage with dust cover & thermacol box. b) Imported Lenses | Order Placed |
| 51 | PAPER ELECTROPHORESIS APPARATUS VERTICAL - with power supply | 1 |
| 52 | PAPER ELECTROPHORESIS APPARATUS HORIZONTAL - with power supply. | 1 |
| 53 | DISTILLED WATER STILL | 1 |

Cap 4/5 ltr. per hr Made of S. S. jointless, wall hanging
model
Electrical heated.

54 2x2 SLIDE PROJECTOR - Automatic slide projector with remote indian make **3**

55 OVERHEAD PROJECTOR

a) Over head projector A4 Size - Indian make **1**

56 MUSEUM JARS - For Storage of human body organs

SPECIMEN JARS

Available in Following Types:-

i) Made of borosilicate glass

a) 250mm x 250mm x 150mm **12**

b) 225mm x 225mm x 125mm **38**

c) 220mm x 140mm x 140mm **25**

57 DRAWING INSTRUMENTS & COLOUR ETC. FOR PHOTO ARTIST **1**

58 SURGICAL INSTRUMENTS - packed in box **1**

59 DARK ROOM LAMP-Developing troughs chemical etc. for photo Artist **1**

CLINICAL LABORATORY

62 BOTTLES SPECIFIC WORK-Specific Gravity Bottle Borosilicate Glass **2**

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| 63 | MICRO BURETTES 5 CC | 2 |
| 64 | pH METER | 3 |
| | Digital, table top model with stand buffer tablets & solution bottles | |
| 65 | CENTRIFUGE MACHINE | |
| | Haematological work with Speed 5500 R.P.M with digital R.P.M meter and timer. | Order Placed |
| | Electrical Centrifuge machine use for general routine work with speed 5500 R.P.M with digital R.P.M meter and timer. | Order Placed |
| 67 | HAEMOCYTOMETERS - With red and white pipettes. | |
| | a) Imported German Make | 50 |
| 68 | HAEMOGLOBINOMETERS - Sahili Type | |
| | a) Imported German Make | 50 |
| 69 | SEDIMENTATION APPARATUS -One wester green and one wintrobe | |
| | a) one western green apparatus with pipete | 1 |
| | b) one wintrobe apparatus with pipete | 1 |
| 71 | STAINING JARS / STAINING TROUGH | |
| | a) For 10 Slides | 20 |
| 72 | URINOMETERS | 9 |
| 73 | ALBUMINOMETERS - Esbachs & Aufrech's type | 2 |

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| 74 | URINE GLASS SET - CONICAL PLASTIC | |
| | a) 125ml | 6 |
| | b) 200ml | 6 |
| 75 | WATER BATHS HOLDING TEST TUBES | 3 |
| 76 | CENTRIFUGE TUBE GRADUATED - 10 ml cap. | 36 |
| 77 | CRUCIBLE WITH CHINA LID | |
| | a) 15 ml cap | 1 |
| | b) 25 ml cap | 1 |
| 78 | CRUCIBLE GOOCH ADAPTER - Borosilicate | |
| | a) 30ml | 1 |
| | b) 50ml | 1 |
| 79 | GRADUATED CYLINDERS - Borosilicate glass | |
| | a) 100ml | 6 |
| | b) 250ml | 6 |
| | c) 500ml | 6 |
| | d) 1000ml | 6 |
| 80 | PIPETTES OF VARIOUS SIZES - Graduated | |
| | a) 1ml | 1 |
| | b) 2ml | 1 |
| | c) 5ml | 1 |
| | d) 10ml | 1 |
| | e) 20ml | 1 |

81 REAGENT BOTTLES

Made of Borosilicate Glass

a) 250ml **1**

84 BALANCE SENSITIVE / ANALYTICAL BALANCE

a) VARANASI make superior quality with weight box **2**

85 CHEMICAL BALANCE

a) VARANASI make superior quality with weight box **2**