



QUALITY CONTROL LABORATORY

SETUPS

(AS PER BIS (ISI) | WHO | ISO | APHA STANDARDS)

BIOFIT[®] Lab Instruments



WHAT WE DO?

Source / Site selection | Building Design and Planning | Execution
Site construction monitoring | Periodical site visit & advises

Guidelines & Support

Project Report | Training for Quality | Pollution control board | Ground water authority
FSSAI licence & other related activities

Lab installation | Training for Quality control person (on site) | Instrument calibration and certification |
Product standardization | Shelf life studies | sample testing co-ordination

Documentation | Paper compliation | ISI application preparation | Filing and Follow-ups |
Pre-inspection - Audit | Inspection co-ordination | Document preparation - submission
File & record maintenance | Periodical factory visits & Audits | Licence renewal & other
BIS related activities | OSL testing & reports (NABL laboratories)

A SINGLE SOURCE
for
complete Quality System
needs of
BOTTLED WATER
manufactures

OUR RANGE OF PRODUCTS



INCUBATOR - Digital

Temperature range upto 100°C Digital controlled. Efficient heating elements which are placed at the bottom, Double walled inner chamber made S/Steel. Outer chamber of M.Steel duly painted with epoxy coating with synthetic rubber gasket on doors. Door has glass windows to view sample, Built in powder coated stem thermometer & perforated adjustable shelves. To work on 200/230vAC.

size : 35 x 35 x 35 cms



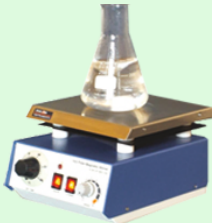
BOD INCUBATOR - Digital

Designed to maintain constant temperature for use in making standard BOD determination of water. Working temperature 5°C with an accuracy $\pm 0.5^\circ\text{C}$. Temperature will be controlled by electronic controller and digital display with the time delay circuit. Inner chamber made of stainless steel sheet and out wall mild steel and painted and necessary shelf arrangement will be provided.

WATER BATH - Thermostatic

Inner chamber made of stainless steel, outer mild steel and painted. The rectangular water lid will have six holes of 75 mm dia with concentric rings. ISI marked kettle heating elements are used. Water inlet, outlet and water level arrange are provided.

Inner bath : 350mm x 250mm x 10mm



MAGNETIC STIRRER

Epoxy coated top plate with 2 lits capacity, with hot plate (optional)

TDS METER - Digital

Digital TDS meter combined with electrode, 2½ LED display, range 0-20ppt. Resolution 1 ppm.



pH METER - Digital

Digital pH meter with temperature compensation and combined electrode 3½ LED display, range 0-14 pH, mV 1999, resolution, 0, 01pH, 1mv



COLONY COUNTER - DIGITAL

Colony counter is most useful for accurate counting and recording of bacteria and the colonies. Housing made M.S /G.I. Sheet finished with epoxy powder coated shade. Three digital reset able digital display to read and record counting. Illumination provided by cool tube light for clear view and perfect counting through magnifying glass provided. A probe (PEN) for making as well counting provided. Operates on 230 volts A.C.



HOT PLATE - Rectangular

Top plate is made of cast iron surface finished. Three stage rotary switch for low, medium and high temperature range is fixed.

size : 25* 400mms - 1.2Kw



FILTER ASSEMBLY

Stainless steel make, filter assembly with 250 ml capacity to hold

FUME HOOD

2 x 2 x 2 wooden make provided with exhaust fan provision in head for suction, provision for hot plate with electrical connection. Monitoring glass in the door for external observation.

DARK UV CHAMBER

Portable box type provided with U.V. lamp with monitoring glass provision for external observation



HOT AIR OVEN - Memmert type

Double walled construction inner chamber made from stainless steel and outer made of mild steel and painted. The heaters are made from 80/100 grade BDH Nichrome wire sheathed with G.I Sheet. For this memmert type, the heater will be placed on all the three sides for uniform heat. The working temperature is 50°C to 250°C controlled by thermostat with an accuracy $\pm 1^\circ\text{C}$

Size : 35 x 35 x 35 cms



AUTOClave - Vertical

Inner chamber, Lid and Ring complete made from stainless steel plates and sheets. Lid will be leg lifting type, fitted with wing nuts with suitable silicon gasket. The autoclave vacuum arrester ISI marked industrial heating elements will be fitted. This autoclave will have suitable for a working pressure 0 to 15 psi of steam operation on 230 volts, Single phase A.C.

Size : 10" x 8-1.5 Kw



LAMINAR AIR FLOW - Horizontal model

Used in tissue culture and microbiological application constructed with termite proof, fire proof wood. Table top over stainless steel, transparent front door, and static pressure inclined monometer built U.V. germinal light. Fresh air drawn by means of noiseless blower motor which passes through primary filters. Maximum dust particles purified here and the filter air passes through HEPA filters which retain air-born particles of size 0.32 micron and larger. The double filtered air blow in laminar flow through the table at designed velocity of 90 cfm $\pm 20\%$.



WATER STILL - Wall mounting type

Completer unit made from stainless sheet, Heating elements are kettle type ISI marked and automatic rejection type in the event of failure of water supply, rating of the heater is 2 liters capacity per hour.



VACUUM PUMP

Use friendly and maintenance free, easy oil changing, moisture trap and anti-suction back system is provided. Rotary high vacuum pump oil sealed, laboratory type single stage, pumping speed 50 lits / min 450 RPM containing 0.25 hp motor.



ANALYTICAL BALANCE - Single Pan

Newly designed for easy simple operation K-roy model 200D, 200 gms capacity, minimum unit weight 0.01mg



MEDICAL MICROSCOPE

Lobo tyle deluxe body, quadruple nose piece, mechanical stage, Lens : 10 x 45 x 100 x



TURBIDITY METER - Digital

Table model digital turbidity meter 3½ digit display, upto range 200 NTU



SPECTROPHOTOMETER - Digital

Digital range 340 to 960 nm measure % Transmittance, optical density, Concentration, wave length resolution 1nm 3½ digit LED display and 3 digit wave length display with one cuvette holder.



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