

1. COOLING CENTRIFUGE -CM-8 PLUS



Description

Maximum speed: 6000 rpm; Maximum RCF: 5070 g; Minimum temperature: -8°C

Applications

Widely used in separation and extraction of suspended components from the liquid medium. Refrigeration facilitates the extraction process of samples that need consistent range of temperature suitable for biotechnological processes such as DNA, PCR analysis.

2. MINI ROTARY SHAKER- RS 12 PLUS



Description

Speed range: 80-180 rpm

Platform size: 7x11 inches with three adjustable rollers

Shaking orbit: 10 mm

Applications

Ideal for mixing of culture suspensions, chemicals and solvents. Used for culturing microorganisms by providing ambient culture conditions such as equal distribution of gases and nutrients.

3. HOT AIR OVEN- LTHOS-3



Description

Maximum temperature: 250°C

Digital temperature controller

No. of Shelves: 3

Applications

Dry heat sterilization: Sterilizes glassware such as flasks, tubes, pipettes etc.

Drying: To remove the moisture content from the sample.

4. AUTOCLAVE -LTAV-101



Description

Temperature: 120°C

Pressure: 15 Psi

Digital time and temperature controller

Applications

Moist heat sterilization: Used for sterilizing media components for cell culturing, pipette tips, glassware etc.

Decontamination: Used to remove the contaminants like microorganisms from the glass wares.

5. ELECTRONIC BALANCE- PGB-200



Description

Capacity: 200 g

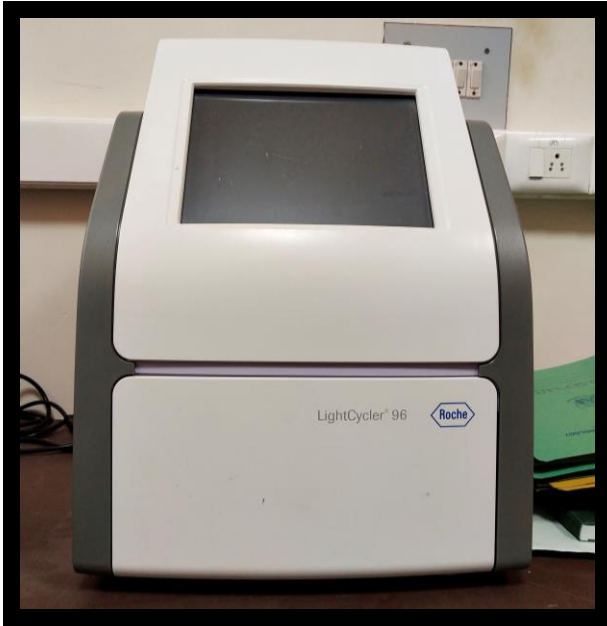
Response time: 4-5 s

Auto calibration with external weight

Applications

Used for measuring the weight of the sample with high precision.

6. REAL TIME PCR –Light cycler 96



Description

Thermal cycling system: 96-well block

Programmable temperature range: 37-98°C

Gradient operational range: 37-98°C with gradient programmable span of max. 20°C.

Reaction volumes: 10-50 µl.

Run time: <40 min for 3-step 40 cycles PCR.

Applications

Gene expression analysis

Multiplex PCR

MicroRNA analysis

Genetic variation analysis

Biomarker analysis

Mutation detection

Protein analysis

7. GEL DOCUMENTATION SYSTEM



Description

A gel doc, also known as a gel documentation system, gel image system or gel imager, refers to equipment widely used in molecular biology laboratories for the imaging and documentation of nucleic acid and protein suspended within polyacrylamide or agarose gels. These gels are typically stained with ethidium bromide or other nucleic acid stains such as GelGreen. Generally, a gel doc includes an ultraviolet (UV) light transilluminator, a hood or a darkroom to shield external light sources and protect the user from UV exposure, and a CMOS camera for image capturing.

Applications

Images labelled or fluorescent nucleic acids (DNA and RNA gels).

8. LAMINAR AIR FLOW CHAMBER



Description

Cabinet for prevention of contamination. Provided with HEPA filter system that efficiently capture small particulates. UV-C lamp to sterilize when the laminar cabinet.

Applications

Prevents contamination of biological samples. To perform streaking, pour plate technique, culture and media transfer.
