

Lab Facilities :



DNA Concentrator



MWG Biotech PCR (3 Nos)



PCR / Gene Cyclers (3 Nos)



Gel Doc System)



Electrophoresis (10 Nos)



Shimadzu Spectrophotometer (2 Nos)



Vacuum Dryer



ELISA Reader



Refrigerated Centrifuge (4 Nos)



Affymatrix Microarray Facility



Microarray Scanner



Hybridization Oven



Fluidics Station



BOD Incubator



CO2 Incubator



Laminar Air Flow (2 Nos)



Plant Tissue Culture



Lab Area



Trainees



Protein Purification System



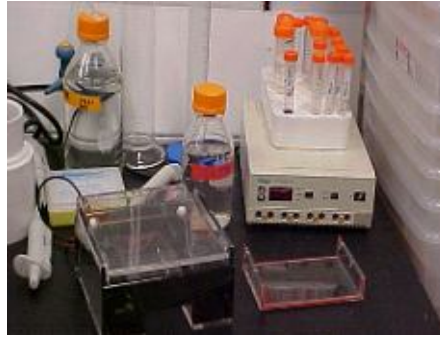
Protein Purification System



Waters HPLC



Iso Electric Focusing



western Blot & SDS



Lypholizer



Rota Vapor



Ion Meter



Dissolved Oxygen Meter



Auto Titrator



Atomic Absorbance Spectrometer



Spectrophotometer



Gas Chromatography with MS



Gas Chromatography (With FID)



HPLC (Thermo)

List Of Equipments :

Microbiology Lab:

Vertical Laminar Air Flow (4x2x2) , Horizontal Laminar Air Flow (2x2x2) B.O.D. Incubator , Orbital Incubator Shaker, UV Chamber , Incubator, Colony Counter , Colorimeter , Muffle Furnace , Hot Air Oven , Desiccators, Binocular Microscopes and CO2 Incubator , Lypholizer .
The laboratory is having facilities for the enumeration, isolation and characterization of microbes viz. bacteria, fungi, protozoa and bacteriophages.

Genetics Lab Facility :

Microarray Facility :

Micro Array Scanner, Gene Chip Fluidics Station , Hybridization Oven (All are from Affymatrix)

PCR Facility :

Real Time PCR(ABS) , PCR machine (Bio Rad) , PCR Machine (M.J.Research) , PCR Machine (MWG Biotech)

Nucleic acid quality check and analysis facility :

Bio Analyzer , Gel Documentation System(Bio Rad) , Nano Drop (Thermo Scientific) , Thermo Savant Speedvac Concentrator

Centrifugation Systems :

Labnet Microcentrifuge , High Speed Refrigerated Centrifuge (Beckman) , Refrigerated Micro Centrifuge RC 4815 F (Eltek) , Refrigerated High Speed Centrifuge RC 4100F (Eltek) , Mini Centrifuges (Thermo)

Other Molecular Biology Lab Equipments :

ELISA Reader (Dynamex) , Gel Electrophoresis Equipments, Electro Transfer Apparatus , E-Blotter , Immuno Electrophoresis , SDS PAGE , Spin Centrifuge , Vortex , Heat Block Apparatus , Ultra freezer, and others.

Protein and Analytical Chemistry Lab:

Chromatography Equipments :

HPLC (Thermo Spectra System with autosampler) , HPLC (Agilent 1050) , Waters HPLC System , , FPLC (Pharmacia Biotech) , Gas Chromatography (Agilent 6890)

Spectrometry Equipments :

Atomic Absorbance Spectrophotometer (Perkin Elmer) , Double Beam UV - Vis Spectrophotometer (Shimadzu 1600) , Double Beam UV - Vis Spectrophotometer (Shimadzu 1800)

Other Analytical Chemistry Equipments :

Refractometer , Flame Photometer (Toshniwal), Karl Fisher Titrator (Sistrionics), Potentiometer, Polari meter , Tintometer ,Viscometer , Kjeldahl Distillation Unit , Kjeldahl Digestion Unit , Chromatography, Nephelometer , Soxhlet Extraction , Rotatory Vacuum Evaporator with chiller , etc.

Biochemistry Lab:

Analytical Balance (Sartorius) , Ph Meter (Thermo Orion) , Ion Selective (Thermo Orion) , Conductivity Meter (Thermo Orion) , Dissolved Oxygen Meter (Thermo Orion) , Turbidity Meter, Autoclaves, Hot Air Oven , Hot Plate , Magnetic Stirrers , Pipette Washer , Shaking Machine , Water Bath , Colorimeter , Flame Photometer , etc.

Tissue Culture Lab:

The laboratory has Growing Rooms, Clean rooms for production jobs, media preparation room, autoclave etc. The laboratory is secure against all kinds of technical and electrical failures that can be controlled for various temperatures and lighting periods.

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