

Instrumentations facilities

For Diagnostics, Teaching, Trainings
& Research at



DEHRADUN

Brief Profile of the Organization

AFFILIATIONS, ACCREDITATIONS AND APPROVALS



NABL ACCREDITED



ISO CERTIFIED



ICMR APPROVED



MSME RECONIZED



MPPC CERTIFIED



CMO REGISTERED



NSDC RECOGNIZED



UKSDM RECOGNIZED



HSSC AFFILIATED



LSSSDC AFFILIATED

GOVERNMENT FUNDED PROJECTS & SPP



UTTARAKHAND COUNCIL FOR BIOTECHNOLOGY (UCB)



UTTARAKHAND STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (UCOST)



UTTARAKHAND SCIENCE EDUCATION & RESEARCH CENTRE (USERC)



INDIAN IMMUNOLOGY SOCIETY (IIS)



MEDICAL COUNCIL OF INDIA (MCI)



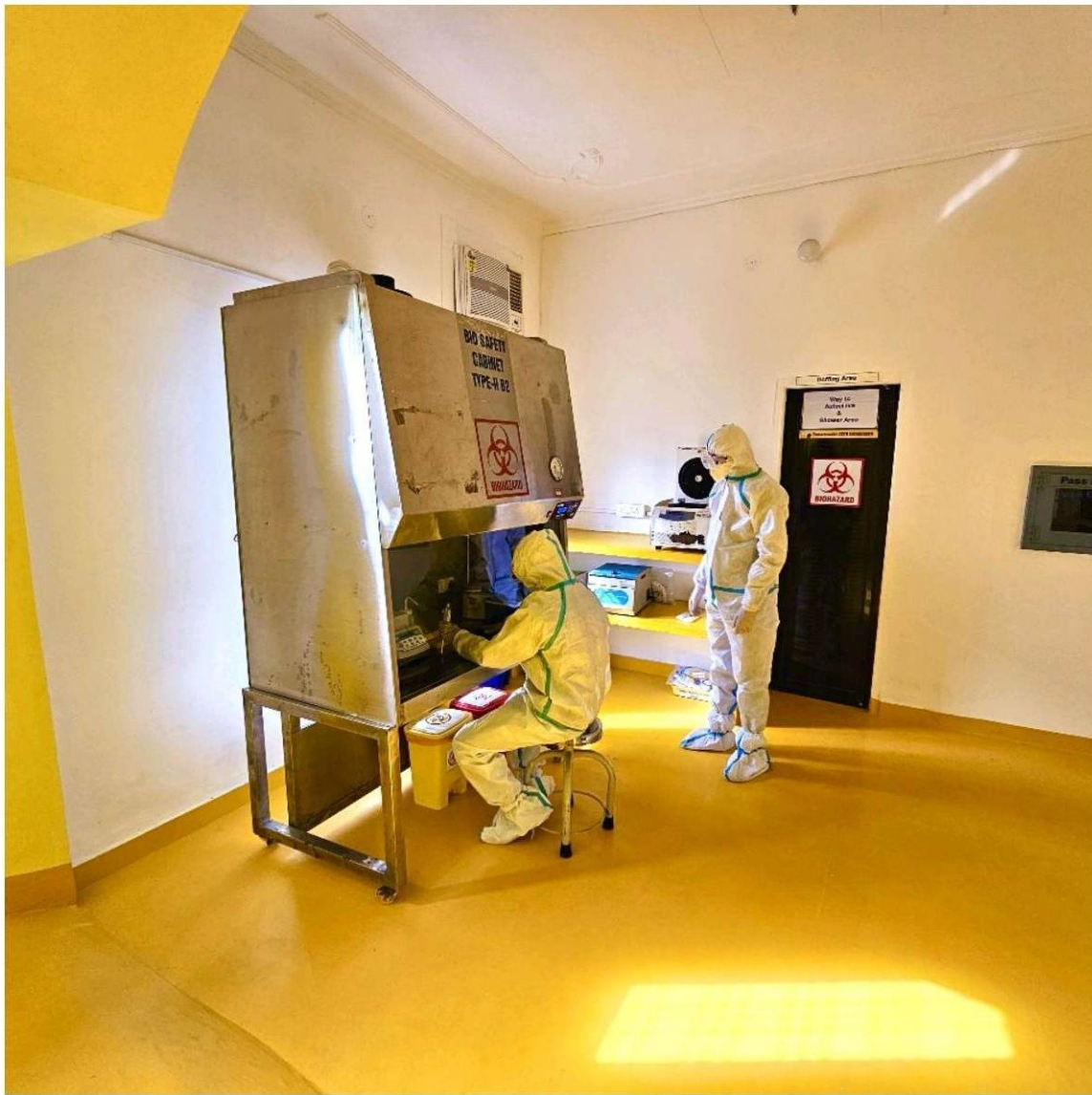
FOOD SAFETY AND DRUG ADMINISTRATION (FDA)

DEALS IN

- Cellular, Molecular and Pathological Diagnostics Services.
- Contract Research
- Science Education and its popularization.
- Professional Teaching, Training and Research oriented programs with Govt of India.
- Societal Upliftment of the Community.
- Certificate, Degree and Diploma Courses.

Learn
Practically
in
BSL-2
with
BSL-3
Practices
Labs at
CRIS DNA
Labs





**DNA Labs- A Centre for Applied Sciences, Jhjhra, Dehradun,
Uttarakhand is one of the Lab in India with:**

NABL **ACCREDITED**



APPROVED



CERTIFIED



CERTIFIED



**Only
Organization
in India**



**Uttarakhand Skill
Development Mission**

Recognized



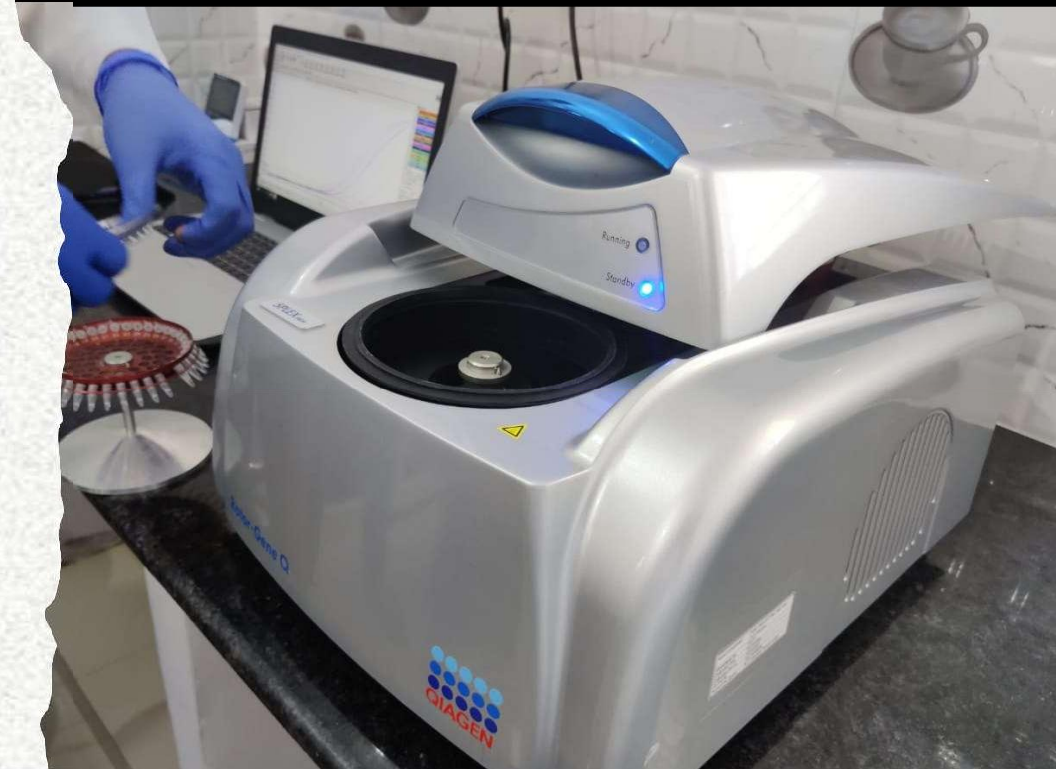
N.S.D.C
National
Skill Development
Corporation

Recognized

A close-up photograph of a laboratory procedure. A hand wearing a blue nitrile glove is carefully adding a pink liquid from a small vial into one of the wells of a multi-well plate. The plate is held in a white rack. In the foreground, another multi-well plate is visible, showing several wells containing a pink liquid. The background is slightly blurred, showing laboratory equipment and a clean, professional environment.

Cellular, Molecular, Forensics G Virology

Rotor Gene Q Real Time PCR Machine



FULLY AUTOMATION MAGNETIC BEAD BASED NUCLEIC ACID EXTRACTER

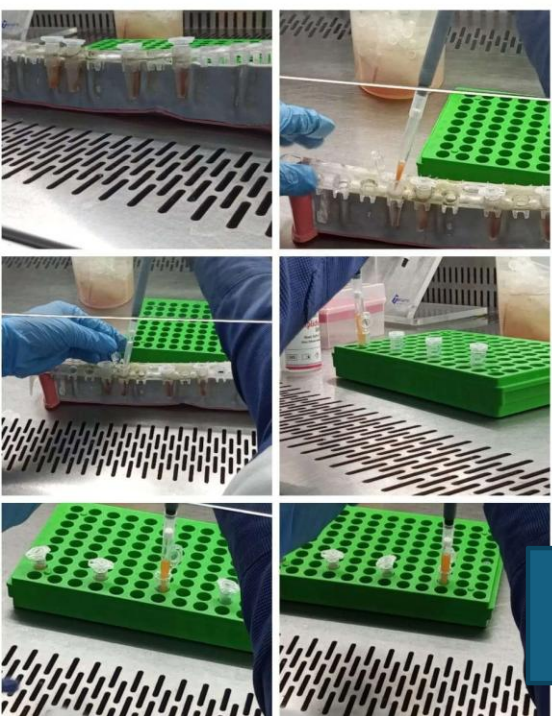


End Point PCR Machine

MULTIFUGE SPIN WIN



MINI SPIN WIN



Nucleic Acid Extraction Systems



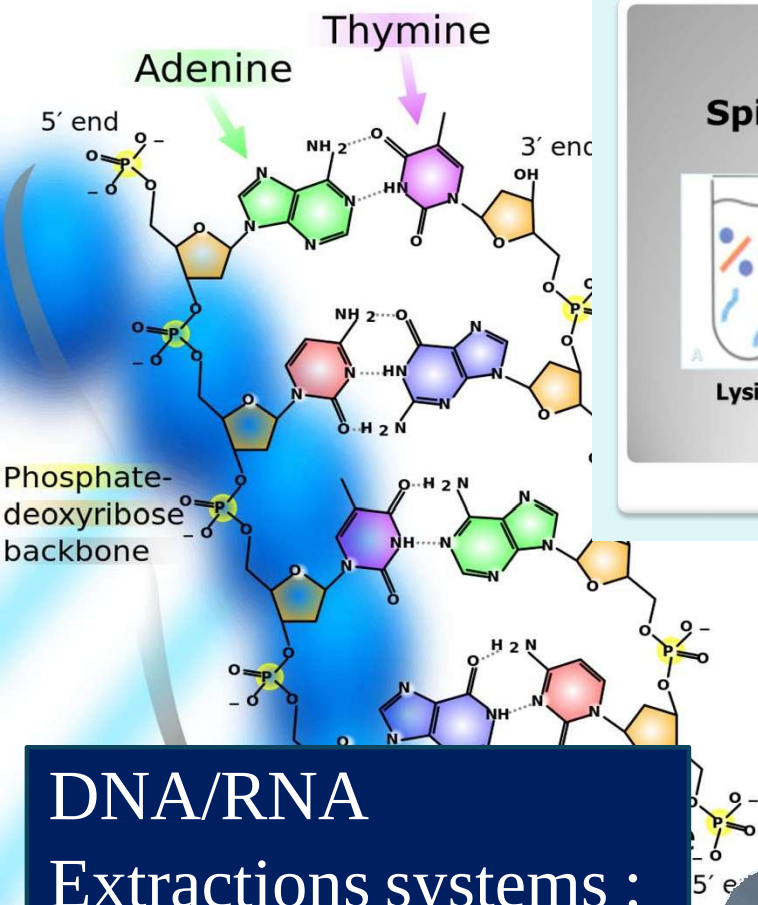
Cooling
Centrifuge



Vortexer



Dry Bath



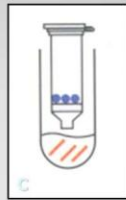
Spin Column Technology



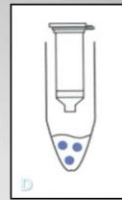
Lysis



Bind



Wash



Elute

Spin Columns



- Silica membrane plus chaotropic salts
- No organic extraction
- DNA or RNA, Both
- Wide range of clinical samples
- Mini, midi, and maxi columns



DNA/RNA
Extractions systems :
Silica Columns,
Magnetic Beads,
CTAB Methods,
Alcohol ppt.
methods,
RNA Zol Sol. Etc.



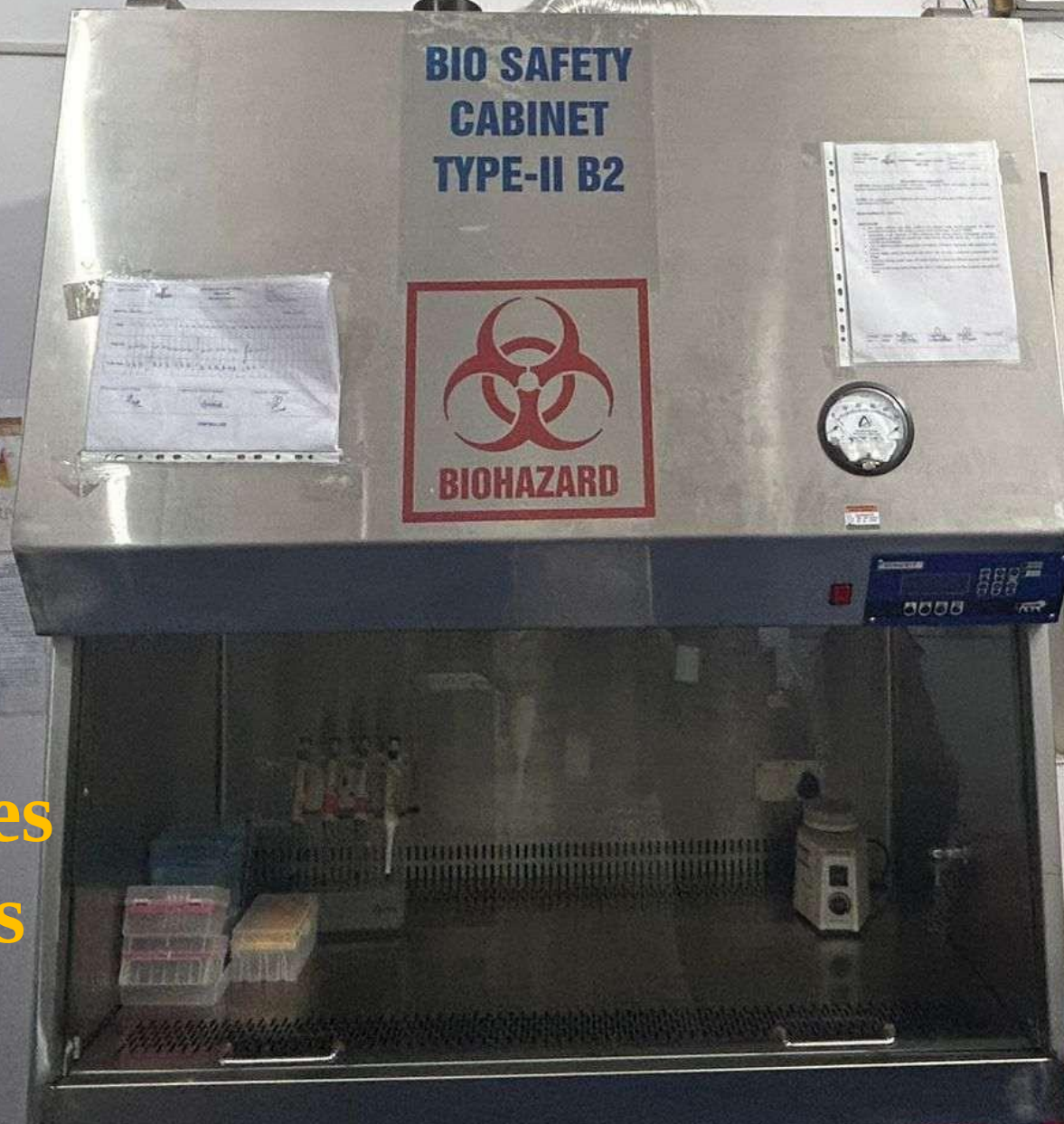
TOWARDS
TIVE RESEARCH CULTURE



needed knowledge academic
hypotheses use methods experiment
existing research
question used form theories
search
information scientific data publishing
work results issue
increase publication hypothesis variables
quantitative journals
study primary sources example commonly
different understanding

research

BIO SAFETY
CABINET
TYPE II B2



BSL-2
with
BSL-3
Practices
facilities

KITS AND REAGENTS
FOR DIAGNOSTICS
USE ONLY



REAGENTS PREPARATION AREA



Template Addition Area



LAMINAR AIR FLOW





Vortexer



Mini Spin Win



Pcr Tube Spin Win



Non-cooling Centrifuge



Heating
Dry Bath



IMMUNOPOINT



DNA Forensics



REFRIGERATOR 4°C

DEEP FREEZER-80°C



Deep Refrigerator -20°C for
DNA Storage



ELECTROPHORETIC UNIT

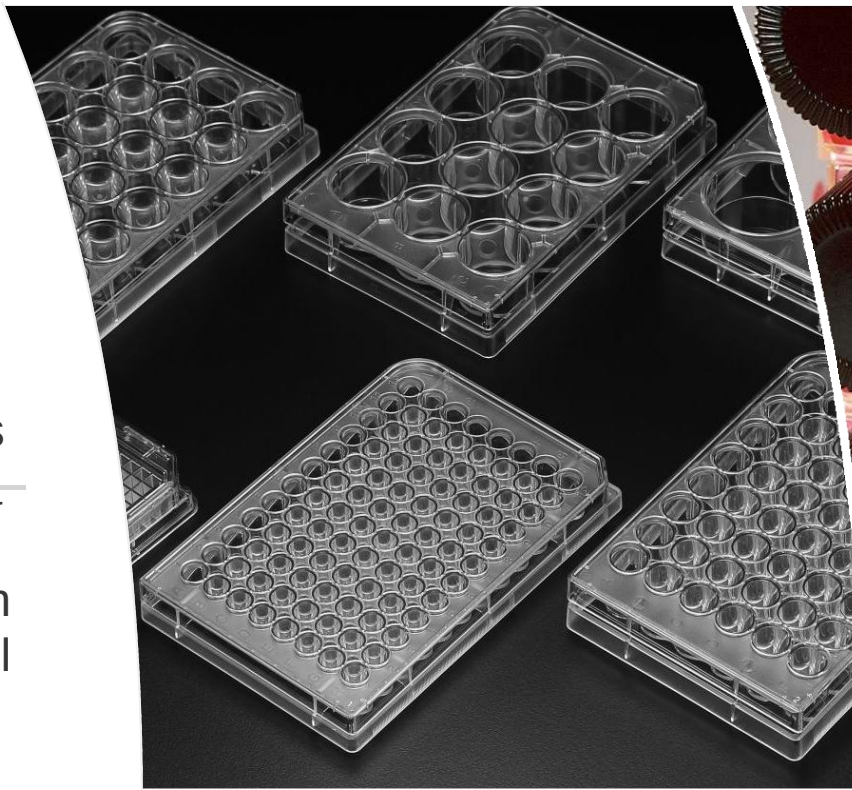


PASS BOX IN
MOLECULAR
DIAGNOSTIC
LABORATORY



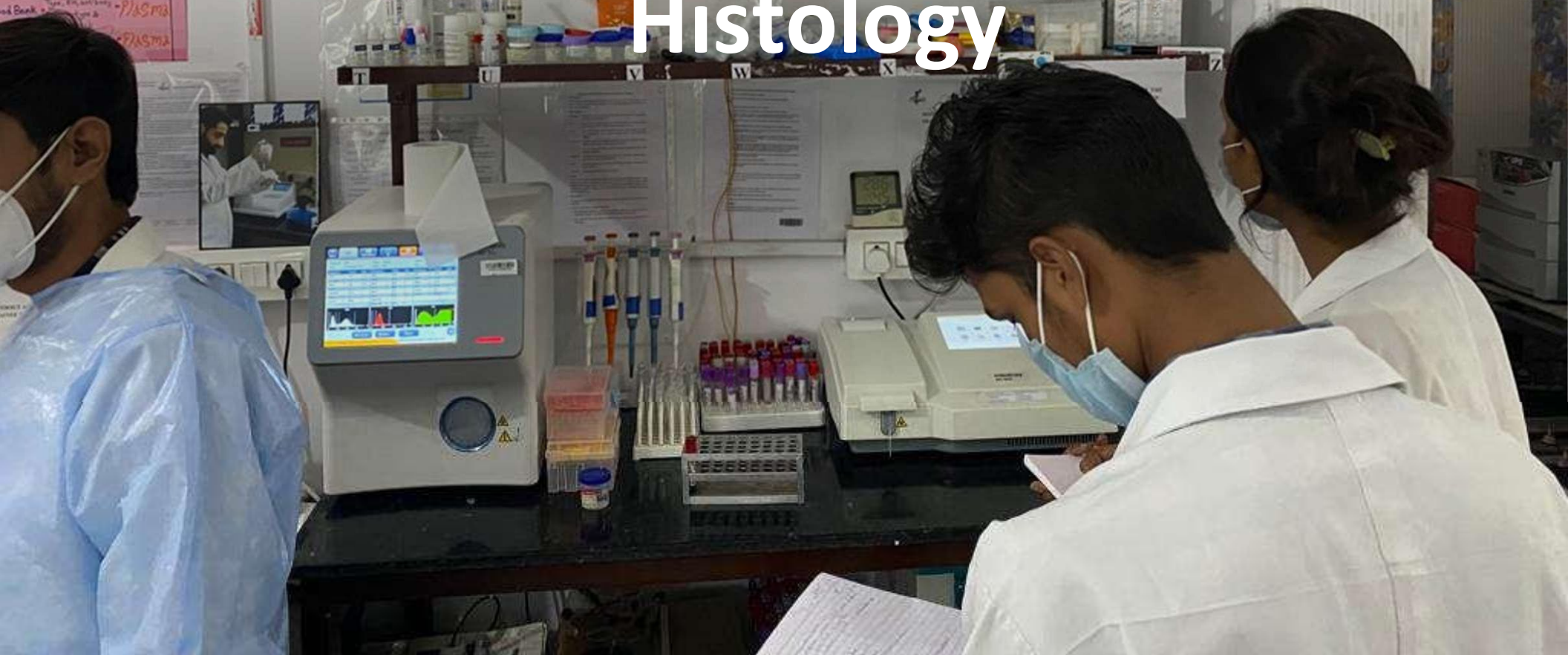
Mammalian Cell Culture

1. Assay MTT for cell proliferation/cytotoxicity
2. Cell culture techniques, passaging and maintenance of human cancer cell lines
3. Preparation of Media & Cell counting.
4. Total RNA extraction from human cancer cell lines
5. cDNA synthesis from RNA (Reverse Transcription),
6. Polymerase Chain Reaction from cDNA (Reverse Transcription-PCR)
7. Total protein extraction from human cancer cell lines
8. SDS-PAGE & Protein estimation





Pathology, Clinical Biochemistry, Histology





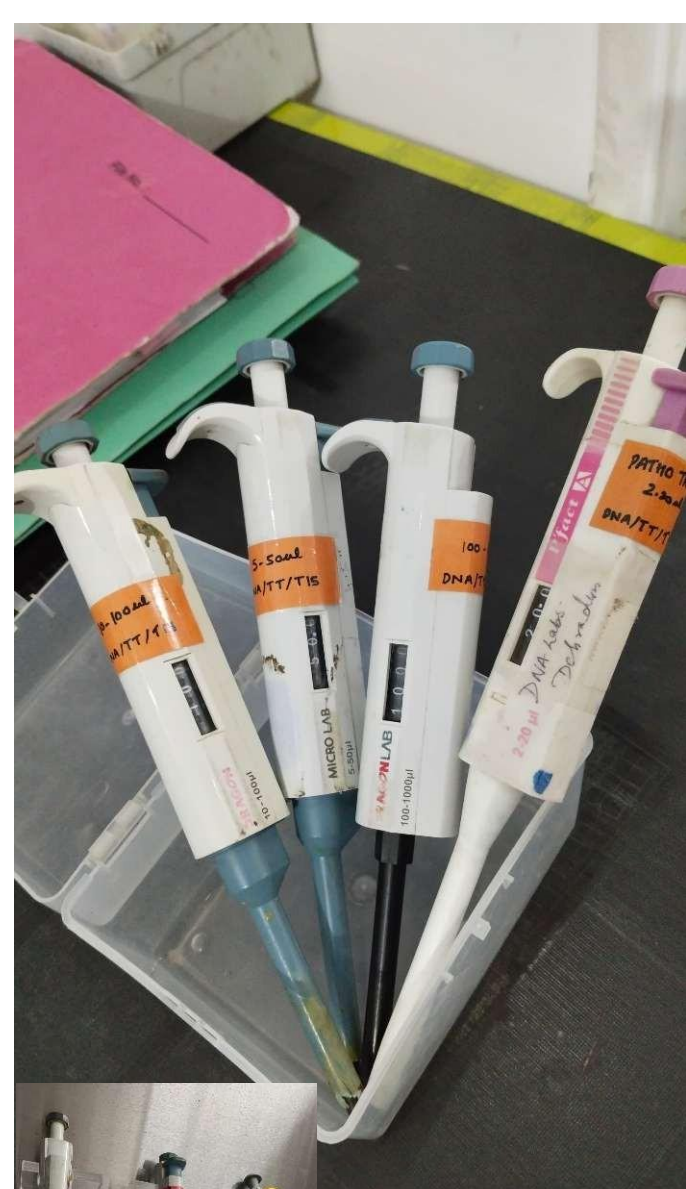
ELECTROLYTE ANALYZER



HAEMATOLOGY ANALYSER (CELL COUNTER)

SEMI AUTOMATIC BIOCHEMISTRY ANALYZER

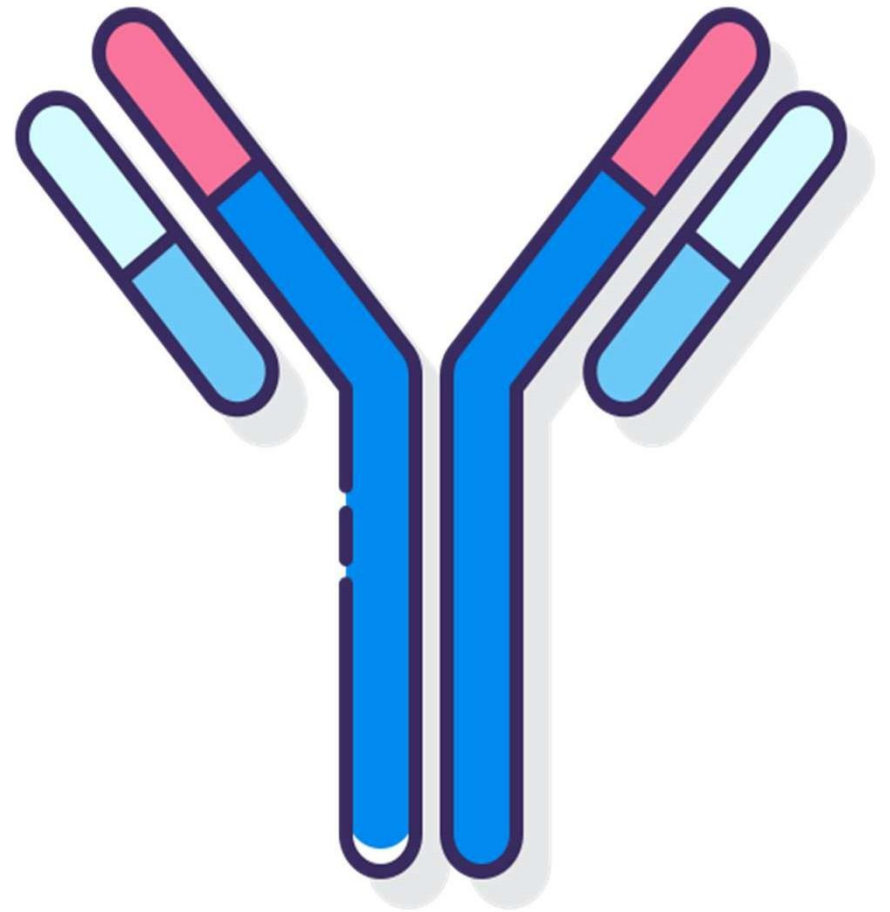




Pipettes



Microbiology, Serology & Immunology



Unveiling The Advanced LED-Based System

ALTA ELISA Plate Reader

store.athenesedx.com



Micro Lab ELISA Reader





BOD Incubator

BOD Incubator



Spectrophotometer



UV Transilluminator





Water Bath



Weighing balance



Autoclave



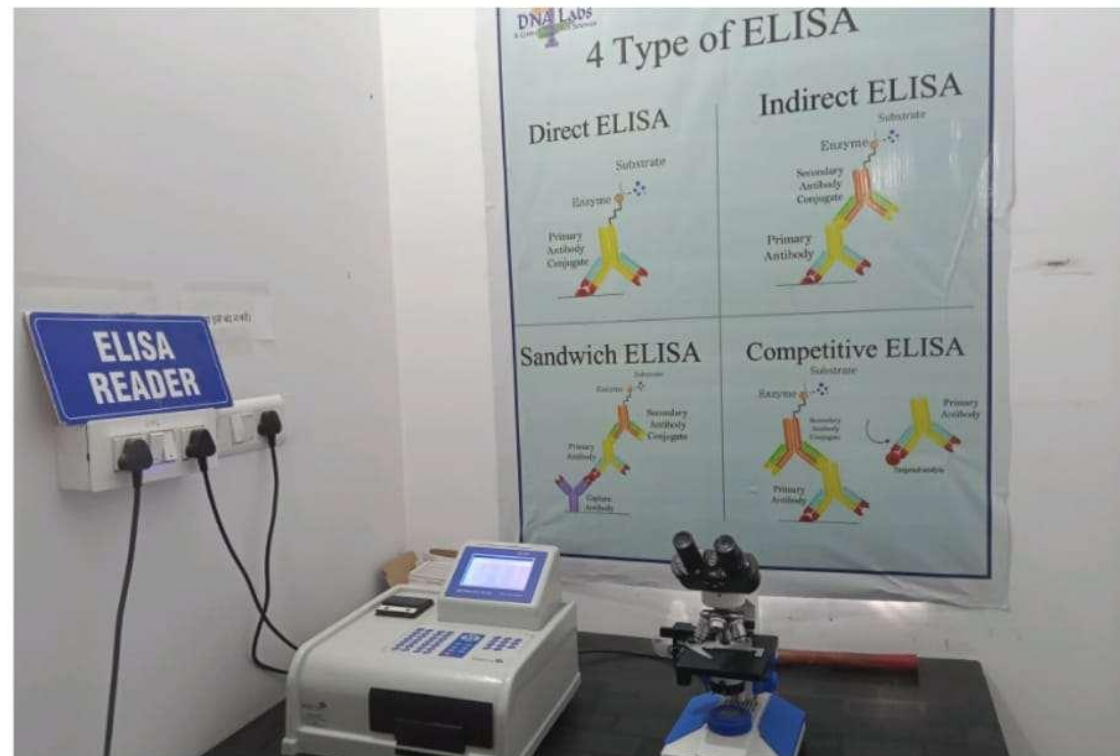
Weighing balance

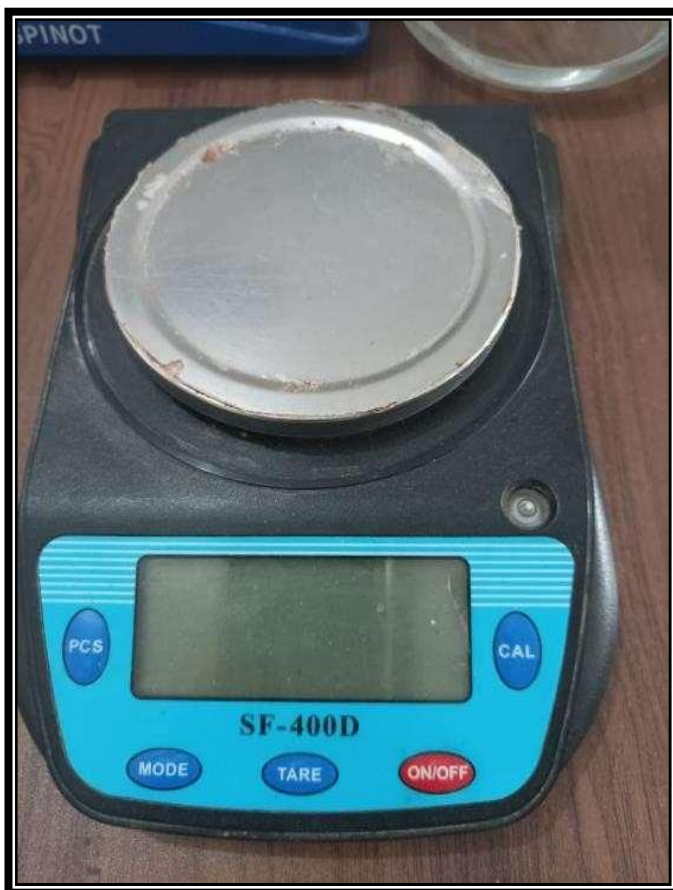


Magnetic Stirrer

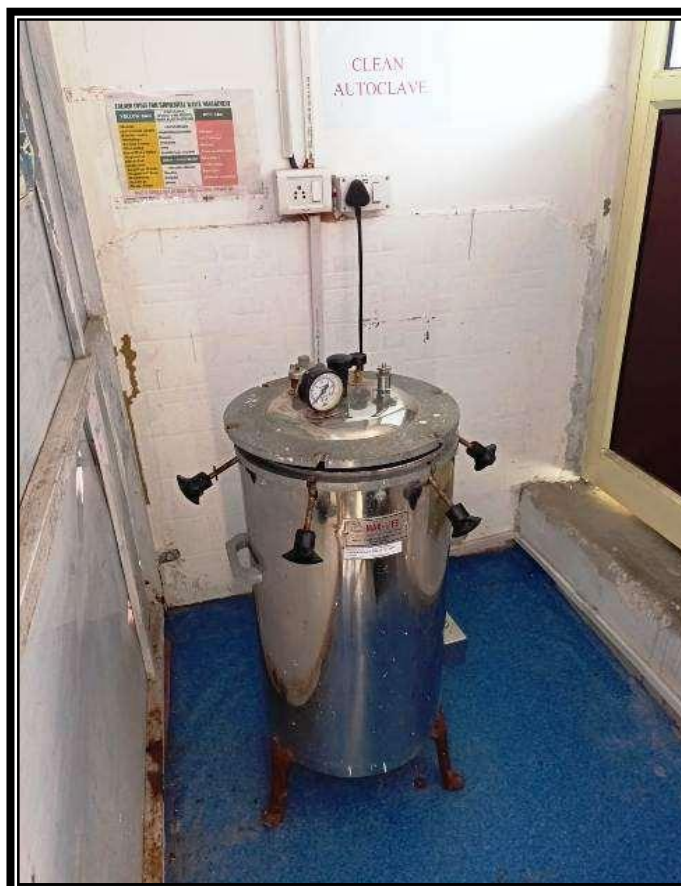


pH Meter





WEIGHING MACHINE



CLEAN AUTOCLAVE



DIRTY AUTOCLAVE



HOT PLATE

WATER BATH

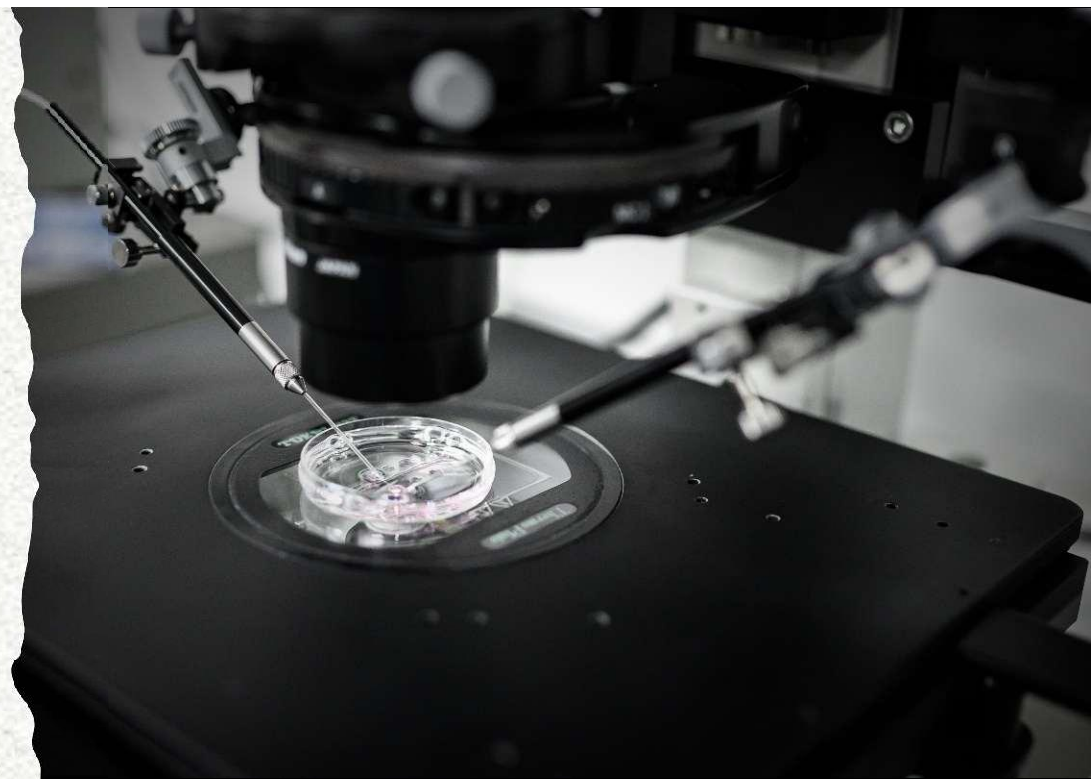
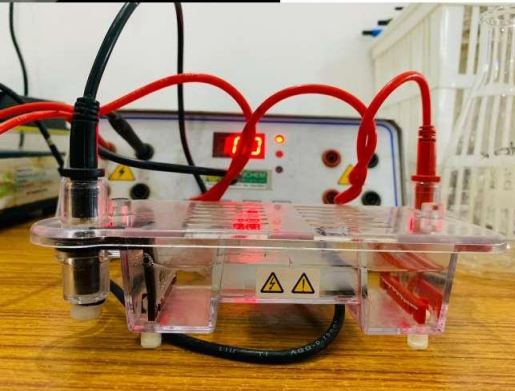




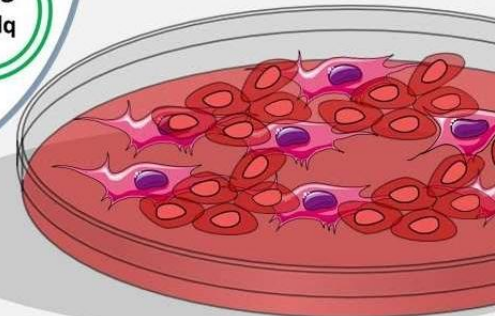
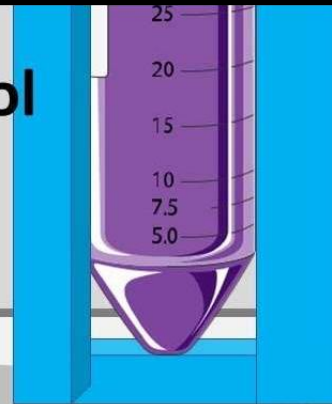
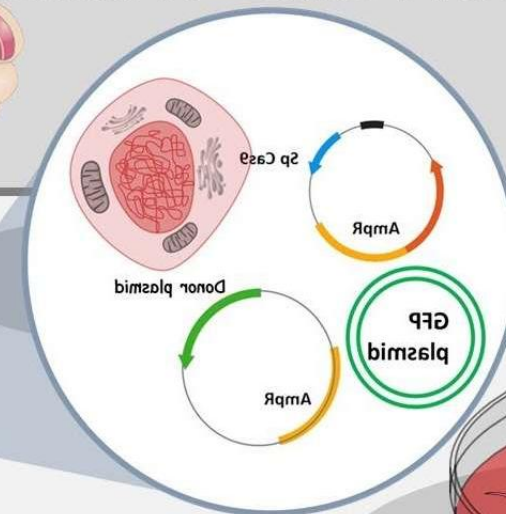
Microscopes

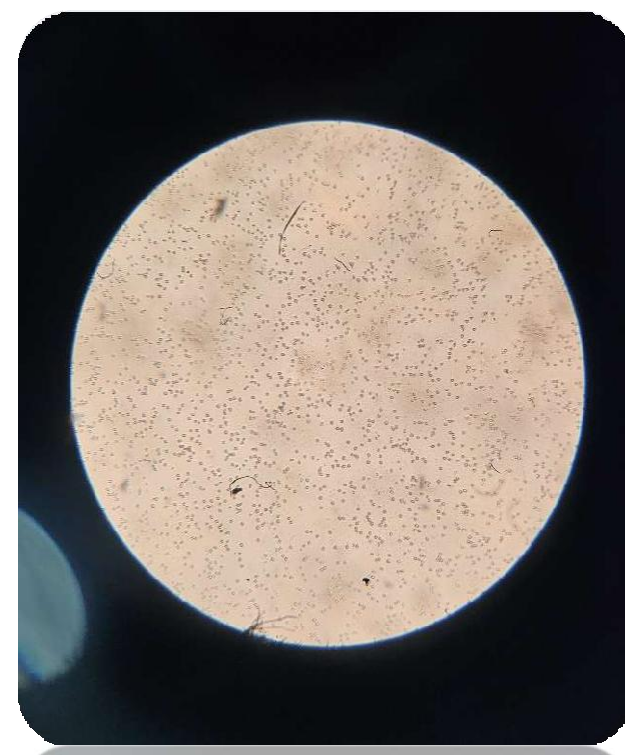
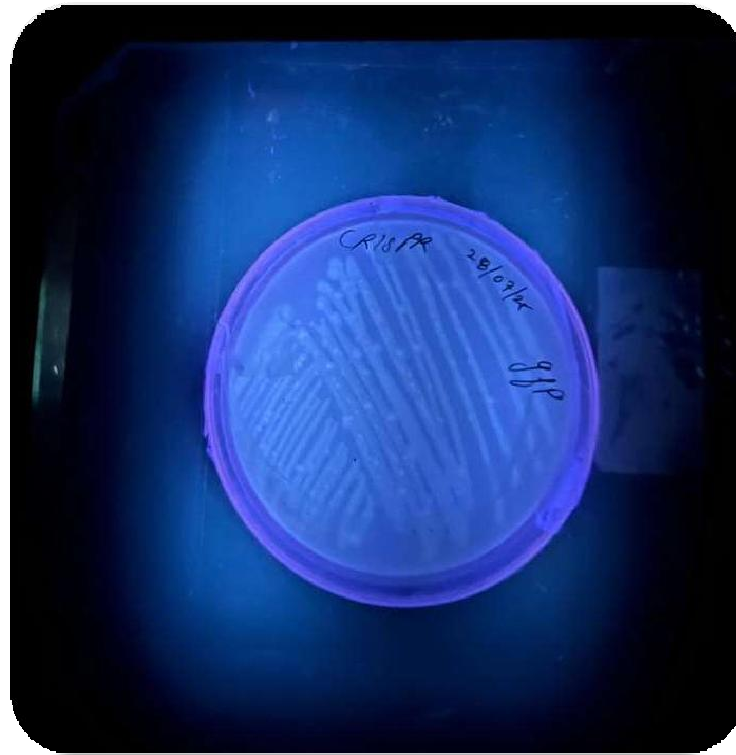
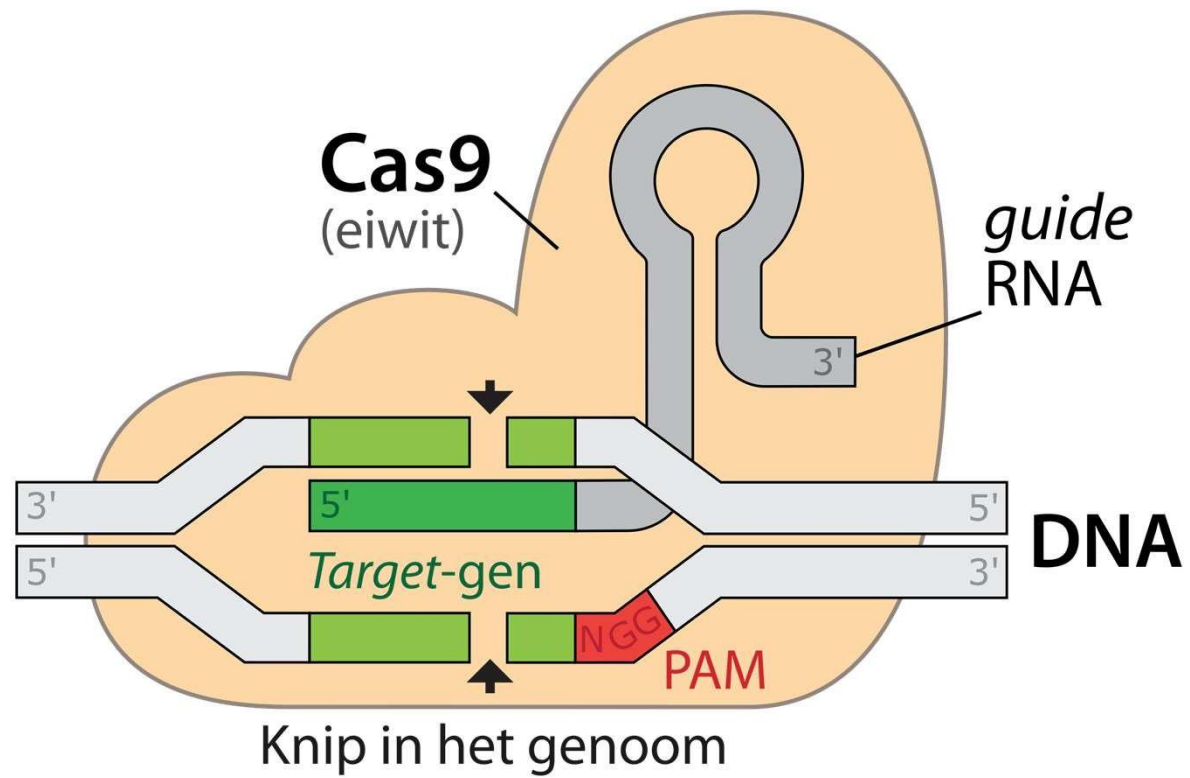
CRISPR-cas G Genetic Engineering

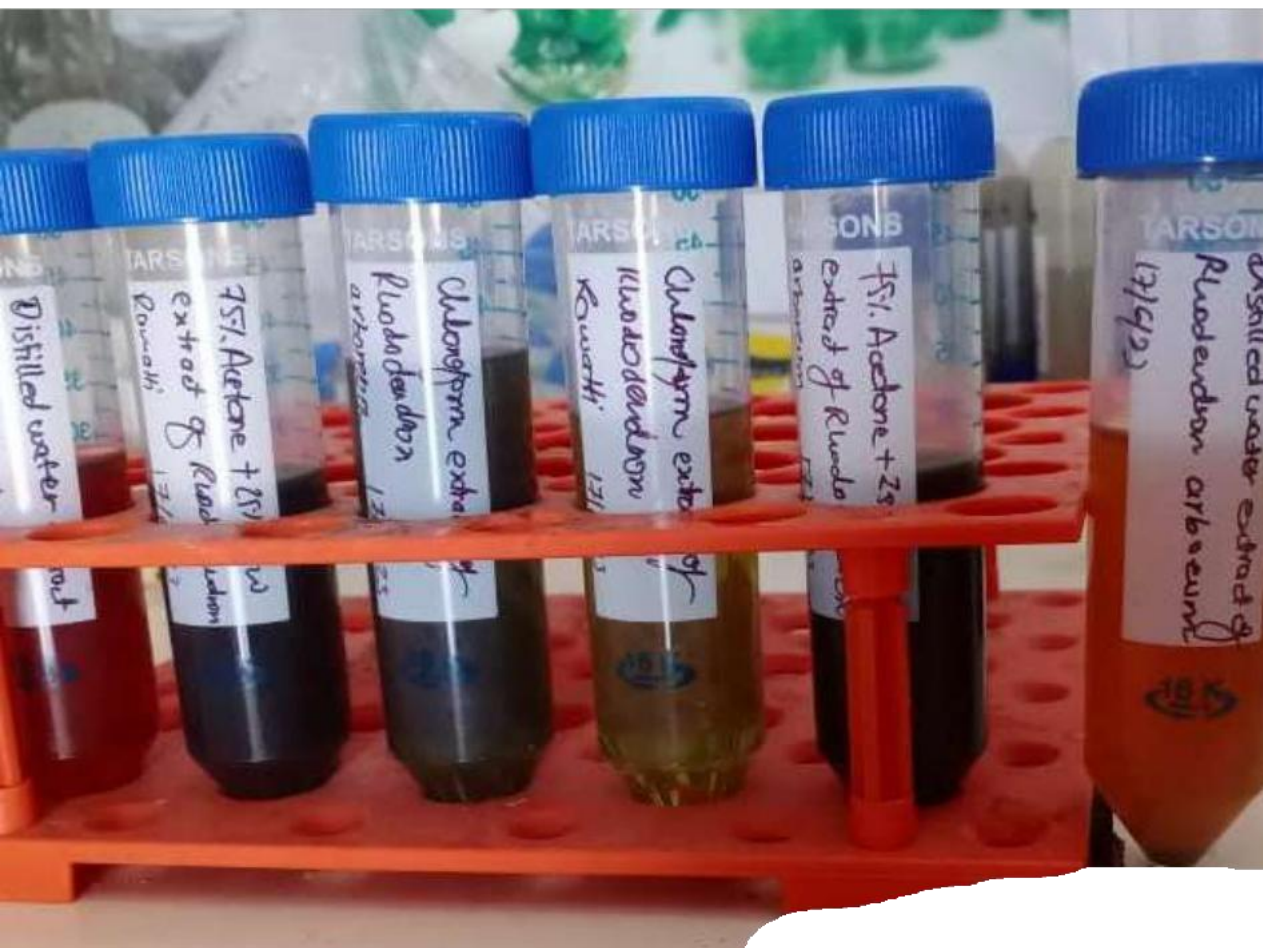




CRISPR –Cas9 Protocol





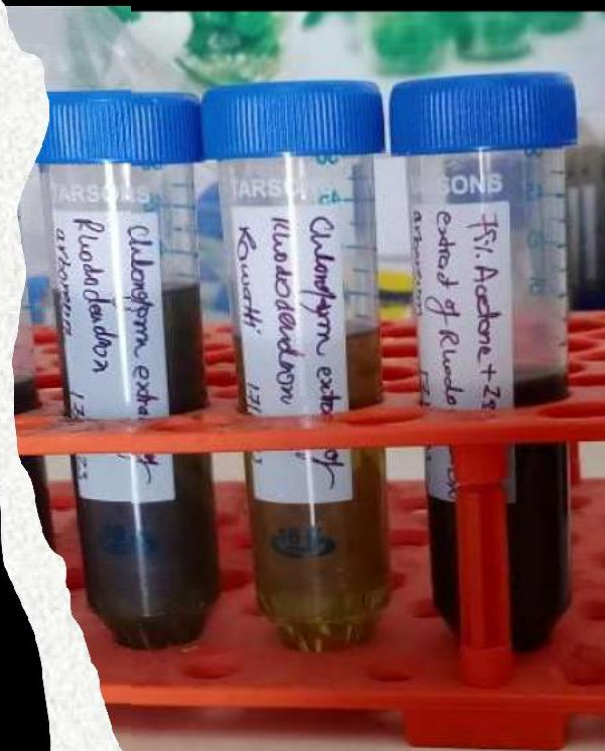


Phytochemistry G Botany Lab

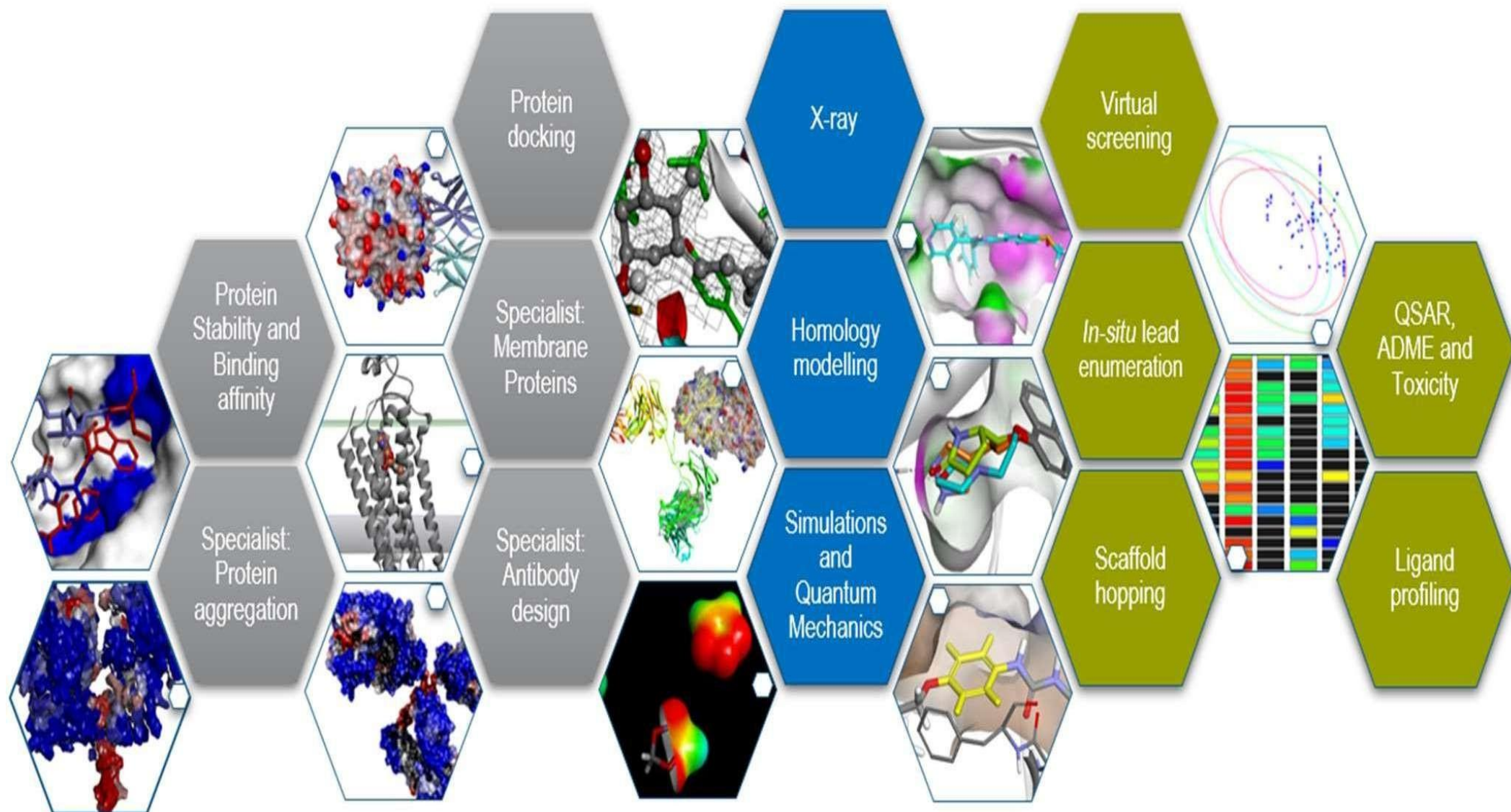
Soxhlet Apparatus



Rotatory Flask Shaker



Bioinformatics, Proteomics, Biostatistics & Plagrism checking







INCUBATOR



HOT AIR OVEN



Sample Collections and facilities



More than 30 Sample
Collection Points and Tie Ups



Important *Links*



Website <https://dnalabscrib.com/#>

Lab Tour : <https://youtu.be/cP50n-Yt13k?si=4L1jSbKmU-fchTkx>

Lab Location :
DNA Labs-(Centre for Research & Innovative Studies) Jhajra, Behind Vigyan Dham, Dehradun, Uttarakhand-INDIA
<https://maps.app.goo.gl/vXXKXZ7uYz3ZhpDbA>

YouTube Channel:
<https://youtu.be/cP50n-Yt13k?si=4L1jSbKmU-fchTkx>

Learn Practically



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