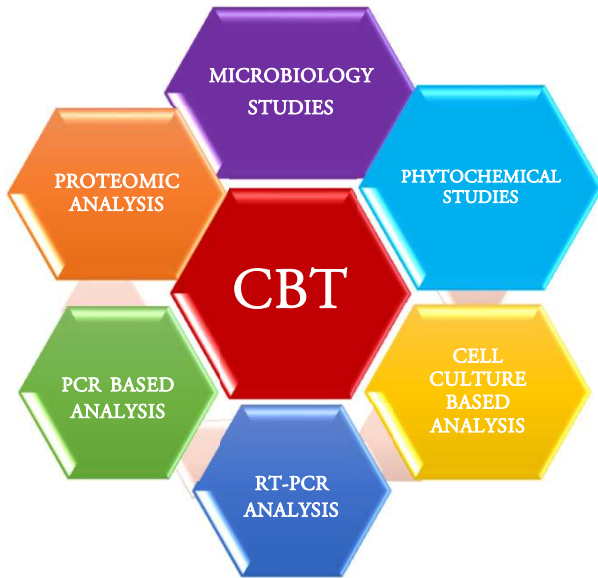




Scope Of Interest @ CBT



In-house FACILITIES @ CBT

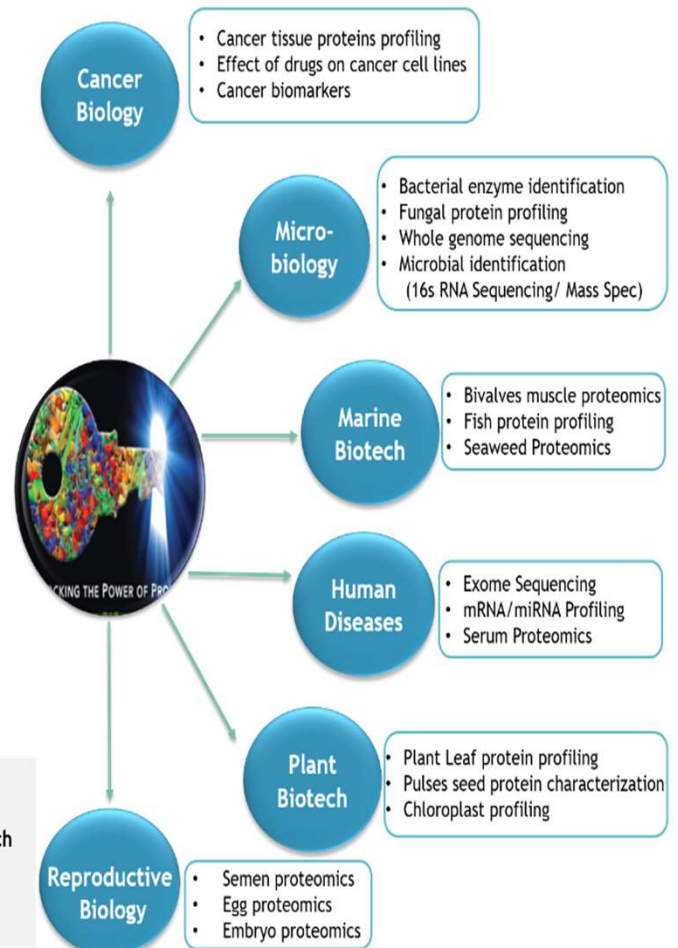
- ❖ Qiagen – RT PCR machine
- ❖ GE Healthcare – 2D electrophoresis system
- ❖ GE Healthcare – SDS PAGE apparatus
- ❖ Beckman – Refrigerated Max Speed Centrifuge
- ❖ Complete Cell Culture Platform
- ❖ Thermo – Fluorescent Microscope
- ❖ Roboniks - ELISA Reader
- ❖ Jasco – UV VIS spectrophotometer
- ❖ Biorad – Gradient PCR machine
- ❖ BSL II biosafety cabinet
- ❖ UV Transilluminator
- ❖ Tissue Homogenizer
- ❖ Epson – Hi Resolution Image Scanner

Research @ CBT

We are successfully involved in collaborations with clinical research team and with major academic universities.

Service & Training @ CBT

- ❖ Fundamentals of Molecular Biology
- ❖ Cell culture-based assays
- ❖ PCR & Real Time PCR – Complete understanding
- ❖ Current Trends in Proteomic Techniques
- ❖ Protein Sample Preparation, Optimization & Troubleshooting
- ❖ Protein estimation , SDS PAGE analysis & Result Interpretation
- ❖ Basics of 2D electrophoresis, Image Master analysis and its applications
- ❖ 2D DIGE & DeCyder Analysis
- ❖ In-gel Trypsin Digestion and Spot Processing
- ❖ Protein identification – Mass Spec
- ❖ Gene Ontology/ Bio-informatics analysis
- ❖ Complete Microbiological Techniques
- ❖ Beyond Science (Presenting Data, Figures, Career options, Scope of Life Science)



- High quality data generation and analysis
- Cost effective with complete project support
- Centre for creating awareness and training for proteomics research
- Quick Turnaround
- Customized Experimental Design
- Excellent Technical Support

“We are not just service provider rather supporting hands to overcome all your hurdles in scientific experiments and troubleshooting”

*“We hear you. We’re here for you
All your service concerns in One place”*

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Web : www.clinbiocaretechnology.com



Proteomics

- ❖ All kinds of Protein Extractions
- ❖ Protein Estimation
- ❖ SDS PAGE Analysis
- ❖ Two-Dimensional Electrophoresis
- ❖ Silver staining
- ❖ CBB staining
- ❖ Image analysis with fold change
- ❖ Statistical Analysis
- ❖ In-Gel trypsin digestion
- ❖ Peptide Elution
- ❖ Tandem Mass Spectrometry Analysis
- ❖ ELISA based analysis for all proteins
- ❖ Comparative Protein Profiling
- ❖ Targeted Proteomic Analysis
- ❖ Complete Protein Analysis

Cell Culture Assays:

- ❖ Cytotoxicity Assay (MTT)
- ❖ Apoptosis – AO/EtBr Fluorescence Stain
- ❖ DAPI
- ❖ MMP
- ❖ ROS Assay
- ❖ DNA Fragmentation Assay
- ❖ Scratch Assay (Wound Healing Assay)
- ❖ Comet Assay

Genomics:

- ❖ DNA/RNA extraction
- ❖ PCR based analysis
- ❖ Quantitative Real Time PCR
- ❖ Viral Load quantitative analysis
- ❖ Cancer Marker Panel Analysis
- ❖ miRNA/mRNA expression profiling
- ❖ qRT PCR based validation analysis

Scientific Writing:

- ❖ Research Proposal/ Project Reports
- ❖ Research Paper/ Review Paper/ Book Chapter/ Article/ Thesis Assistance
- ❖ Publication of Research Manuscripts in SCI/ SCOPUS/ UGC CARE Journals
- ❖ Assistance in Preparing & Formatting of UG, PG degree Dissertation Report
- ❖ Plagiarism Checking & Removal (Turnitin Report will be Provided)

Phytochemical Analysis:

- a) Qualitative analysis
 - ❖ Test for alkaloids
 - ❖ Carbohydrate
 - ❖ Reducing sugars
 - ❖ Protein & Amino acids
 - ❖ Cardiac glycosides
 - ❖ Flavonoids
 - ❖ Phenolic compound
 - ❖ Tannins/ Saponins/ Cholesterol
 - ❖ Phytosterol/ Diterpenes
 - ❖ Carotenoids Quinone
 - ❖ Leucoanthocyanin
 - ❖ Fixed oils & fats
 - ❖ Vitamins
- b) Quantitative Analysis
 - ❖ Tannins
 - ❖ Flavonoids
 - ❖ Saponins
 - ❖ Steroids
 - ❖ Phenols
 - ❖ Chlorophyll
 - ❖ Terpenoids

Microbiology:

- ❖ Casein hydrolysis test
- ❖ Anti- microbial/ Anti-fungal assay
- ❖ Malonate test
- ❖ Gas production test
- ❖ Azetamide utilization test
- ❖ Hydrogen sulfide production test
- ❖ Starch hydrolysis test
- ❖ Biochemical tests
- ❖ Furazolidone susceptibility test
- ❖ Phenylalanine deaminase test
- ❖ Elek test/ Motility test
- ❖ Lecithinase test
- ❖ Acetate utilization test
- ❖ Voges- Proskauer test
- ❖ Hippurate hydrolysis test
- ❖ Nitrate reduction test
- ❖ DNA hydrolysis test
- ❖ Sterility/ Water quality test

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