



DBT-BUILDER CENTRAL INSTRUMENTATION FACILITY
UNIVERSITY OF CALCUTTA

35, Ballygunge Circular Rd, Ballygunge, Kolkata, West Bengal 700019

About Us:

Department of Biotechnology, Govt of India supported State of the Art Facility for high end research Instruments under DBT-BUILDER Program: Interdisciplinary Life Science Programme for Advanced Research and Education, vide Sanction No. BT/INF/22/SP45365/2022 dated 24th March 2022.

Participating Departments: Biochemistry, Botany, Biotechnology, Genetics, Microbiology, Environmental Sc, Marine Sc.

The facility is open for use by Academic/ Research/Industries for research purposes for the following instruments.

Address of the Facility: University College of Science and Technology, Tarak Nath Palit Siksha Prangan (Ballygunge Science College Campus), University of Calcutta, 35, Ballygunge Circular Road, Kolkata 700019.

FACILITIES AVAILABLE

1. Liquid Chromatography – Mass Spectrometry with Q-TOF (LC-MS)
Agilent 6530 LC/Q-TOF



[Booking Instructions \(Annexure I\)](#)

[Check Your Booking Status](#)

2. HPLC (with fraction collector)
Agilent 1260 Infinity II



[Booking Instructions \(Annexure II\)](#)

[Check Your Booking Status](#)

3. Confocal Laser Scanning Microscope Olympus FV3000



[Booking Instructions \(Annexure III\)](#)

[Check Your Booking Status](#)

4. CHNS (O) Analyzer
Elementar UNICUBE



[Booking Instructions \(Annexure IV\)](#)

[Check Your Booking Status](#)

This Facility also has

1. Microtome
2. Spectrophotometer (with and without Temperature Control)
3. PCR
4. Table Top Refrigerated Centrifuge
5. -80°C Deep Freezer

User Guidelines:

- Prior to booking, kindly inquire about slot availability via email.
 - booking.confocal@gmail.com (For confocal microscopy)
 - booking.chromatography@gmail.com (For others)
- For booking users will have to download the requisition form from the link below.
- Duly filled requisition form for the specific instrument should be sent to the email ID:
 - booking.confocal@gmail.com (For confocal microscopy)
 - booking.chromatography@gmail.com (For others)
- Upon receiving the confirmation and Performa invoice, Pay the necessary service fee using the QR Code
- Submit the filled in form along with the payment receipt to the DBT-Builder facility.

EVENTS :

- **Workshop on CHNS Analyzer**
3rd November 2023, Venue: DBT-Builder Facility, University of Calcutta
- **Workshop on HPLC (with fraction collector)**
28th – 30th November 2023, Venue: DBT-Builder Facility, University of Calcutta
- **Workshop on Liquid Chromatography – Mass Spectrometry with Q-TOF (LC-MS)**
8th – 11th January 2024, Venue: DBT-Builder Facility, University of Calcutta
- **One day workshop organised on Industry-Academia interaction**
2nd February 2024, Venue: BC. Guha Memorial Hall, Department of Biochemistry, University of Calcutta
- **Workshop on Microscope and PCR**
3rd April 2024, Venue: DBT-Builder Facility, University of Calcutta
- **Workshop on Confocal Laser Scanning Microscopy**
Date: 26th – 27th September 2024, Venue: DBT-Builder Facility, 6th Floor, 35 Ballygunge Circular Rd, Kolkata, University of Calcutta
Last Date of registration : 26th August, 2024
- **Workshop on Liquid Chromatography – Mass Spectrometry with Q-TOF (LC-MS) (Upcoming)**
- **Workshop on HPLC (Upcoming)**
- **Workshop on CHNS (O) Analyzer (Upcoming)**

Rate chart:

Sl. No.	Instrument	Internal faculty	External users
1	Confocal microscope	Rs. 500/- per slot	Rs. 1500/- per slot
2	LC MS MS	Rs. 500/- per sample run Rs. 250/- data analysis	Rs. 1500/- per sample run Rs. 1000/- data analysis
3	CNH analyzer	Rs. 600-800/- based on the element	Rs. 1500/- per sample
4	HPLC	Rs. 500/- per sample	Rs. 1500/- per sample

QR Code for Payment:



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A/c No. 42669467100
IFS Code : SBIN0007766
DBT BUILDER PROGRAM
UNIVERSITY OF CALCUTTA
FROM DBT, NEW DELHI

[↓](#) Requisition Form Download:

DBT-BUILDER PROGRAM JOINT CORDINATORS

Prof. (Dr.) Binay Chaubey
Dept. of Botany, C.U

Prof. (Dr.) Sanjay Ghosh
Dept. of Botany, C.U

S. No.	Equipment Purchased under DBT-BUILDER Program, University of Calcutta
1.	LC MS/MS
2.	Confocal Microscope
3.	Preparative HPLC with fraction collector
4.	Elemental (C,H,N&S) analyser
5.	-86°C Upright Ultra Freezer
6.	UV-Vis Spectrophotometer
7.	Binocular microscope with LCD projection
8.	Microtome
9.	PCR
10.	BOD Shaker Incubator
11	Cold Centrifuge
12	Sonicator
13	UV-VIS Spectrophotometer
14	UV-VIS Spectrophotometer with Temp ramping
15	Multitemp
16	Air Conditioners
17	Electric and Civil work in the new DBT BUILDER Facility