



Online training programme on
**BSL-3 LABORATORY WORKING PRACTICES AND
Mycobacterium tuberculosis HANDLING PROTOCOLS**
 Biosafety level III Facility, Department of Biochemistry,
 University of Delhi South Campus, New Delhi
 27th January – 2nd February, 2022



About the facility:-

The UDSC-BSL-3 facility is a National facility providing state-of-the-art biosafety containment laboratory to various TB investigators across the country for their research activities. Apart from promoting high quality TB research in the country, one of the main objectives of the facility is to provide hands on training to students and researchers working in the area of tuberculosis research.

The program will be conducted for various academic and private institutions for skill development and quality manpower for working in containment facilities and for using pathogenic *M. tuberculosis*.



APPLY BEFORE
 26th Jan, 2022

E-CERTIFICATES
 PROVIDED

STUDY
 MATERIAL
 PROVIDED

REGISTRATION FEES
 Rs. 1500 – FACULTY/CORPORATE
 Rs. 1000 - STUDENTS

The training program will include:-

Online session on the first day of the program will focus on 'BSL3 Facilities: Design, biosafety levels, risk assessment and beyond'

Daily sessions will be conducted by video demonstration of the following experiments related to Mycobacterial research along with live session discussions:-

1. Culturing of *M. tuberculosis* both in liquid as well as solid media, growth kinetics of *M. tuberculosis*.
2. Various stock preparations of *M. tuberculosis*.
3. *M. tuberculosis* stock CFU determination.
4. Genomic DNA isolation from *M. tuberculosis* culture
5. Electroporation of *M. tuberculosis* cells.
6. Lysate preparation from *M. tuberculosis* culture
7. Aerosol infection of animals and administration of drugs

Organizers-


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Day 3 of the Online training Programme

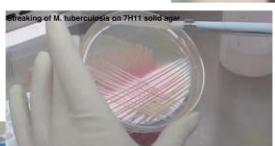
Live Session: Day 3
 World TB Day: Lets together fight and end TB
 24th March
 The strategy aims to end the global TB epidemic, with targets to reduce TB deaths by 95% and to end new cases by 95% between 2035 and 2050 and to ensure that no family is burdened with catastrophic expenses due to TB. **WHO 2020 Strategy**
 Promoting affordable and quality medicines to the population is a priority for the government and we are committed to allowing access to TB drugs and vaccines and to ensure that no family is burdened with catastrophic expenses due to TB. **WHO 2020 Strategy**
 2019 I.P. Health, Union Minister of Health and Family Welfare, India

Importance of solid culturing




Pouring of 7H11 Agar

Methods of solid culturing



Inoculation of *M. tuberculosis* on 7H11 solid agar

PBS Stock preparation and its uses



PBS Stock preparation and its uses

