

Biosafety Level-3 Containment Facility

Biosafety Level-3 (BSL-3) facility of ILBS is a state of the art facility of the Department of Molecular and Cellular Medicine, whose construction started in 2018 and was finally commissioned in May 2019. BSL-3 containment facility operations and experimentations are monitored by dedicated Operation and Experimentations (comprising of external experts) committees, respectively. In February 2020 the BSL3 facility was solely dedicated for SARS-CoV2 testing by the Department of Virology. The BSL-3 facility is governed under the statutory regulatory guidelines Review Committee on Genetic Manipulation (RCGM), Department of Biotechnology, Ministry of Science and Technology. Institutional Biosafety Committee (IBSC) provides on-site regulatory oversight and compliance. The BSL-3 Containment Facility of ILBS is certified by RCGM.

BSL-3 operations and experimentations are managed as per the *Standard Operating Procedure for working in BSL-3 facility* and *The Manual: Practices and Procedures for the Biosafety Level – 3 Containment Facility*. Facility has restricted entry for only authorized person through access card/biometry along with manual entry-exit logs for only. Personnel are granted access upon successfully completion of BSL-3 training. Containment of BSL-3 is achieved and maintained with negative pressure gradient round the clock by Building Management System. Facility is on un-interrupted power supply (UPS), equipped with emergency shutdown mechanism and provision of complete fumigation. In-vitro as well as mouse experiment can be performed in BSL-3 facility.

Equipment – Biosafety Cabinets, Deep Freezer, CO2 Incubators, Centrifuge, Inverted microscope, Individually ventilated cages, Isoflurane anaesthesia machine, double door autoclave and other emergency equipment i.e. emergency shower, eye wash and fire extinguishers

Team –

Prof. Nirupma Trehanpati (Faculty in-charge)
Prof. Gayatri Ramakrishna (Scientist In-Charge, BSL-3)
Dr. KB Patel (BSL-3 Biosafety Officer)
ILBS Engineering Staff and Biosafe Engineers

Biosafety Level-3 Containment Facility



Ent



PPE



UV Pass



BSC and Microscope



Co2 Incubator



Deep Freezers



Emergency Shower



Autoclave and BMS