



**Department of Biotechnology  
Bhupat and Jyoti Mehta School of Biosciences  
Indian Institute of Technology Madras**

**FLOW CYTOMETRY FACILITY  
BT Block 1, 4<sup>th</sup> Floor, Room 419B**

The Department of Biotechnology at IIT Madras hosts a core Flow Cytometry Facility which has a wide range of applications in fluorescence studies including cell-based assays, nanoparticle and drug uptake studies, microfluidic research, and other interdisciplinary areas of research at a single cell level and even sub-cellular level. The facility has a cell sorter (BD FACSAria™ III) which can aseptically sort cells and a cell analyser (BD FACSCanto™ II) for downstream applications. The cell sorter has 6 lasers including Violet, Blue, Yellow-green, Red, Purple and near-UV which enables the users to design a multi-colour flow cytometry experiment with up to 16 parameters. Fluorochrome-tagged antibodies can be used to quantify, analyse, and sort cells and study them further. We welcome you to our exciting world of flow cytometry for your research needs.

**More technical information:**

BD FACSAria™ III: <https://www.bdbiosciences.com/en-in/products/instruments/flow-cytometers/research-cell-sorters/bd-facsaria-iii>

BD FACSCanto™ II: <https://www.bdbiosciences.com/en-in/products/instruments/flow-cytometers/clinical-cell-analyzers/facsanto>



BD FACSAria™ III



BD FACSCanto™ II

**Facility-in-charge:**

Dr. R. Srividhya, BioSAIF 007, Block 1, Department of Biotechnology, IIT Madras  
Phone: 044-2257 5097; Email: [facs@smail.iitm.ac.in](mailto:facs@smail.iitm.ac.in)

**Slot Booking and User Charges:**

Internal users can book the equipment through ERS portal: [ers.iitm.ac.in](https://ers.iitm.ac.in)

External users can contact facility-in-charge.

**Equipment Support:** Centre for Industrial Consultancy and Sponsored Research (ICSR), IIT Madras