

Center for Stem Cell Biology and Regenerative Medicine

FACS Core Laboratory

FACS コアラボトリー

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The FACS Core Laboratory provides high quality, cost-effective and state-of-the-art flow cytometry (FCM) services for internal and external researchers. We offer assistance in the following areas: (1) initial project planning (2) antibody panel design and optimization (3) instrument operation and maintenance (4) data analysis.

Instruments at the FACS Core Laboratory

For cell sorting, the FACS Core Laboratory is equipped with four instruments in total: BD FACS Aria cell sorters (SORP Aria and Aria III from BD Biosciences), CytoFLEX SRT from Beckman Coulter, and a newly installed FP7000 from SONY.

For cell analysis, the Laboratory is equipped with three benchtop analyzers: FACSCanto II from BD Biosciences and CytoFLEX LX and CytoFLEX S analyzers from Beckman Coulter.

FCM usage performance in 2025

FCM analysis and sorting is performed either by the FACS Core staff or by trained users. There were about 3,000 cases of FCM use in 2025.

Seminar and Training

The FACS Core provided training and technical seminars about the theory and practical use of the FCM technology to students, fellows, and principal investigators at IMSUT.