Cost

Based on number of tube for **FACS Canto** and **FACS AriaII** analysis, 300-350 bath/ tube (1 to 29 tubes) , 30-49 tubes (discount 15%), over 49 tubes (discount 20 %)

Sorting

Two-way tubes/ Four-way tubes/ Plate: 1,200-1,500 bath/hr

*If customer bring your sheath fluid for analysis (discount 10%)

Service Hours (CIF office)

Monday-Friday 09.00-17.00 hr

Service Hours (Flow Cytometer)

Monday-Friday 09.30-16.00 hr

Close on Saturday, Sunday and National Holiday

Lunch break 12.00-13.00 hr

Equipment Reservation

Phone: 02-201-5965, 5977 (Lab)

E-mail: cif.flowcytometry@gmail.com

*Customers must make reservation 1 day in advance, if the customer wants to cancel the equipment reservation please contact the custodian at least 2 hours before the reservation time.

*In case of SC-MU members please register prior to accessing the instrument.

Please visit CIF website to download registration from.

How to contact us?

Central Instrument Facility (CIF)

Chaloemprakiet Building, 6th Floor, Room K.629,
Faculty of Science, Mahidol University,
272 Rama VI Road, Phayathai, Ratchathewi,
Bangkok, 10400 Thailand

Phone: 02-201-5970, 02-201-5985-7

Fax: 02-201-5972

Flow cytometer Room K.635

Phone: 02-201-5965, 5977 (Lab)
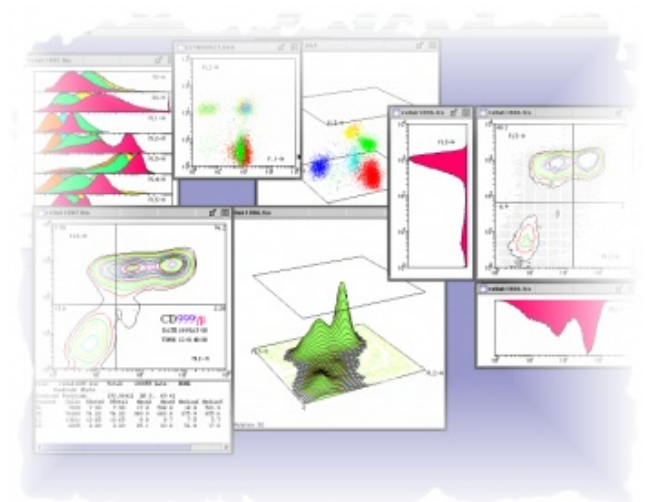
E-mail (office): sccif@mahidol.ac.th

E-mail (Flow): cif.flowcytometry@gmail.com

Website: http://science.mahidol.ac.th/scre/CIF/

Mahidol University
Faculty of Science

FLOW CYTOMETER

Central Instrument Facility

Tel: 02-201-5970, 02-201-5973
Fax: 02-201-5972

Email: sccif@mahidol.ac.th
http://science.mahidol.ac.th/scre/cif/

BD FACS Canto Flow Cytometer

Description

FACSCanto flow cytometer combines a patented optical design and manufacturer upgrades for simultaneous data acquisition of six fluorescent signals (FITC, PE, PerCP-Cy5. 5, PE-Cy7, APC and APC-Cy7) and two scatter parameters (FSC and SSC), digital electronics for processing up to 10,000 events per second, and a novel sample injection system supporting carryover of less than 0. 1% . The FACSCanto is built with blue (488 nm, 20 mW solid state) and red (633 nm, 17 mW HeNe) excitation sources. High-speed data processing, industry-leading sensitivity (<50 MESF for PE and <100 MESF for FITC) and minimal sample-to-sample carryover make this instrument uniquely suited for rare event analysis. The FACSCanto has the capacity for eight-parameter detection on particle sizes from 0.5 to 50 mm in diameter.

BD FACSAria-II cell sorter

Description

BD FACSAria-II cell sorter is a new digital sorter enabling high-speed sorting and multicolor analysis. The instrument accommodates three air-cooled lasers at 488-nm, 633-nm, 405-nm. Digital acquisition rates of up to 70,000 events/ second. Multicolor analysis of up to 12 parameters. Two- and four-way bulk sorting devices for a variety of tube sizes. Automated Cell Deposition Unit (ACDU) for sorting to multi-well plates or microscope slides, sterile sorting of events. Sample injection chamber for various sample input tubes, including microtubes, 12 X 75, and 15 ml tubes. Includes sample agitation and temperature control. An expanded set of nozzles lets users sort a wide range of particle sizes. Four nozzle sizes are supported: 70, 85, 100, and 130 microns.

Attune NxT Flow Cytometer

Description

The Attune NxT system makes multi-parametric flow cytometry available to both new and experienced researchers. Experience the difference acoustic assisted hydrodynamic focusing technology brings to your workflow. The instrument accommodates two flat-top lasers at 405 nm, and 488 nm. The Attune NxT has the capacity for 10 parameters or eight fluorescent signals detection on particle sizes from 0.2 to 50 mm in diameter. Engineered to actively clogging, a syringe-driven system and larger flow cell help prevent the loss of precious sample and is drastically less susceptible to clogs. The Attune NxT Software was masterfully developed to offer user-focused functionally with many automated, user-definable, and analysis simple enough for users at any experience level.