

National Yang Ming Chiao Tung University Instrumentation Resource Center Yang Ming Campus Instrument Fees Regulations

Approved by the Instrumentation Resource Center Users' Committee Meeting on November 29, 2024.

I. Flow Cytometry Fees: Charges are calculated on a half-hourly basis.

A. Sorter: SRT

1. Commissioned service

User	Startup Fee	Operation Fee
NYCU faculty and students	NT\$ 1,000	NT\$ 800/hour
Educational Cooperation Organizations	NT\$ 1,500	NT\$ 1,200/hour
Other external organizations	NT\$ 2,000	NT\$ 1,600/hour

2. Self-operating [Users require to be certified by the administrator before use.]

User	Startup Fee	Operation Fee
Only for NYCU faculty and students	Free	NT\$ 600/hour

B. Sorter: FACSMelody

1. Commissioned service

User	Startup Fee	Operation Fee
NYCU faculty and students	NT\$ 1,000	NT\$ 800/hour
Educational Cooperation Organizations	NT\$ 1,500	NT\$ 1,200/hour
Other external organizations	NT\$ 2,000	NT\$ 1,600/hour

2. Self-operating [Users require to be certified by the administrator before use.]

User	Startup Fee	Operation Fee
Only for NYCU faculty and students	Free	NT\$ 600/hour

C. Analyzer:

1. FACSCalibur

NYCU faculty and students	Non-NYCU Users
NT\$ 420/hour	NT\$ 840/hour

2. CytoFLEX

NYCU faculty and students	Non-NYCU Users
NT\$ 280/hour	NT\$ 560/hour

II. Imaging Core Microscope Fees: Charges are calculated on a half-hourly basis.

	Model	NYCU faculty and students ¹	Educational Cooperation Organizations ²	Other external organizations
Confocal Microscope	Olympus FV1000	NT\$ 500/hour	NT\$ 750/hour	NT\$ 1,000/hour
	Olympus Fv10i	NT\$ 300/hour	NT\$ 450/hour	NT\$ 600/hour
	Zeiss LSM900 (Zeiss LSM700+)	NT\$ 600/hour	NT\$ 900/hour	NT\$ 1,200/hour
	Zeiss LSM7MP	NT\$ 1,000/hour	NT\$ 1,500/hour	NT\$ 2,000/hour

	Zeiss LSM880 with Airyscan	(Day) NT\$ 900/hour	NT\$ 1,350/hour	NT\$ 1,800/hour
		(Night) NT\$ 500/hour		
	Zeiss LSM900 with Airyscan 2	(Day) NT\$ 800/hour	NT\$ 1,200/hour	NT\$ 1,600/hour
		(Night) NT\$ 600/hour		
Fluorescent Microscope	Olympus BX61 Olympus BX63 Leica DM6000B	Free	NT\$ 50/hour	NT\$ 100/hour
	Olympus IX83	NT\$ 100/hour	NT\$ 150/hour	NT\$ 200/hour
	Zeiss LSM880	NT\$ 300/hour	NT\$ 450/hour	NT\$ 600/hour
	Zeiss LSM900			
	Zeiss Axioscan 7	NT\$ 300/hour	NT\$ 450/hour	NT\$ 600/hour
Advanced Microscope	Zeiss Elyra 7	NT\$ 1,300/hour	NT\$ 1,950/hour	NT\$ 2,600/hour

III. Electron Microscope Fees:

For electronic microscopes and related equipment, respective users shall cover maintenance and material consumption. The fees are as follows.

- A. TEM (JEOL JEM-1400plus) Operation Fee: NT\$ 1,050/hour; (NT\$ 2,100/hour for non-NYCU users.)
- B. TEM (JEOL JEM-1400plus) with EDS Operation Fee: NT\$ 1,250/hour; (NT\$ 2,500/hour for non-NYCU users.)
- C. 3D Tomography Fee: NT\$ 1,050/hour; (NT\$ 2,100/hour for non-NYCU users). No fee for image reconstruction analysis, while the fee may be determined depending on the usage through the committee meeting.
- D. SEM (JEOL JSM-7600F) Operation Fee: NT\$ 600/hour; (NT\$1,200/hour for non-NYCU users.)
- E. The operation time of less than an hour will be charged as one hour. If the user does not cancel the reservation in advance or fails to present on the scheduled day, the user shall pay the fee for the first hour of the operation.
- F. Ultra-thin section for TEM Specimens: NT\$ 3,000 per specimen for NYCU Faculty Research Programs. (4 copper grids per specimen, staining is not included.)
- G. Using ultra-thin microtome: Please prepare your own glass strips for making glass cutters, or it is NT\$ 360 per glass strip.
- H. Critical Point Drying Operation Fee: NT\$ 100 per session (100% alcohol is required, excluding conductive liquid silver fee.)
- I. SEM specimen with gold plating: NT\$ 580 per session (excluding conductive liquid silver fee.)
- J. SEM specimen with platinum plating: NT\$ 530 per session (excluding conductive liquid silver fee.)
- K. Conductive liquid silver fee: NT\$10 for each specimen on the carrier.
- L. SEM specimen carrier: 25 mm/NT\$ 120 each, 12 mm/NT\$ 60 each, 10 mm/NT\$ 40 each.

IV. Magnetic resonance imaging core facilities (MRI) Operation Fees:

User Unit	For peak hours	For off-peak hours
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	(technician/self-operated*)	(technician/self-operated*)
NYCU	NT\$ 4,000/\$3,500*	NT\$ 3,500/3,000*
NYCU Teaching Hospital and University System of Taiwan	NT\$ 4,500	NT\$ 4,000
Non-NYCU academic organizations and public hospitals	NT\$ 5,000	NT\$ 4,500
Non-NYCU Business Unit	NT\$ 6,000	NT\$ 6,000

Peak hours: Monday through Friday, from 9:00 a.m. to 6:00 p.m.

Off-peak hours: In addition to peak hours, the time slots will be open for use depending on instrument usage and operator status.

V. 400 MHz Nuclear Magnetic Resonance Instrument Fees:

User	Rush hour (by technician / Self-operated)	Off-peak time (by technician / Self-operated)
NYCU	NT\$ 200/half hour	NT\$ 200/hour

Notes:

1. Rush hours: Monday to Friday, from 09:00 am to 10:00 pm. The usage time is calculated in half-hour units, and used less than half-hour will be charged as half-hour.
2. Off-peak time: Monday to Friday, from 10:00 pm to 08:00 am of the next day and all day on weekends.; The usage time is calculated in 1-hour units, and used less than 1-hour will be charged as 1-hour.
3. If the user cannot use it for any reason and does not cancel the reservation a day before, the user shall pay the fee for the whole reserved session.

Commissioned Services	1D proton spectrum	1D carbon spectrum and other experiments
Non-NYCU	NT\$ 350/half hour/sample	NT\$ 650/hour/sample

VI. Automated Clinical Chemistry Analyzer Fee:

The instrument adopts a single tube charge, NT\$ 50 for each tube.

VII. Raman Spectrometer Operation Fees:

User Status	Companies and non-NYCU students	NYCU
Fees	NT\$ 1,500/hour	NT\$ 400/hour

Note: The operation fee is NT\$ 200 per hour for those who are certified to operate the Raman Spectrometer on their own.

VIII. Mass Spectrometer Facilities Fees:

A. Metabolomics analysis

Category	Service/Model Used	NYCU faculty and students	Educational cooperation organizations	Other external organizations
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Technician operation	Pre-processing of Metabolite samples	NT\$ 500 /pc	NT\$ 750 /pc	NT\$ 1,000 /pc
	All models and analysis modes will be charged at the same rate.	NT\$ 3,000 /pc	NT\$ 4,500 /pc	NT\$ 6,000 /pc
	Startup Fee (for CE-QToF)	NT\$ 2,000	NT\$ 3,000	NT\$ 4,000
	Metabolite Analysis Report	NT\$ 500 per copy	NT\$ 750 per copy	NT\$ 1,000 per copy
Self-operated	Mass Spectrometer Standard Samples	NT\$ 500 /pc	NT\$ 750 /pc	NT\$ 1,000 /pc
	LC-QToF (WATERS XEVO QToF + ACQUITY UPLC)	NT\$ 1,000 /hour	NT\$ 1,500 /hour	NT\$ 2,000 /hour
	CE-QToF (SCIEX CESI8000 + Waters QTOF G2-XS)			
	LC-MS (WATERS ACQUITY UPLC + XEVO TQD)	NT\$ 800/hour	NT\$ 1,200 /hour	NT\$ 1,600 /hour
	GC-MS (Agilent GC QqQ)			
	CE alone	NT\$ 500/hour	NT\$ 750/hour	NT\$ 1,000 /hour

Note:

1. We have a standardized pre-processing treatment. If applicants require specific pre-processing steps, the fee shall be discussed separately in advance.
2. The technician operating fee is charged based on the number of samples. All models and analysis modes are charged at the same rate. Each sample will be analyzed in triplicate. The sample loading schedule will be arranged according to the order of sample collection at the center.
3. Self-operation is charged on an hourly basis. The operation time of less than an hour will charge as one hour. The operation time includes the time for system preparation, instrument setup, sample analysis, washing between samples, and cleaning the system after analysis. (Users require certification.)

B. Proteomics analysis: technician operation only

Category	Service items	NYCU faculty and students	Educational cooperation organizations	Other external organizations
Technician operation	Protein sample pre-processing	NT\$ 600/pc	NT\$ 900/pc	NT\$ 1,200 /pc
	Protein identification report	NT\$ 1,200 per copy	NT\$ 1,800 per copy	NT\$ 2,400 per copy
	Protein post-translation modification identification report	NT\$ 20,000 per copy	NT\$ 30,000 per copy	NT\$ 40,000 per copy

C. Discount Plan

To promote the utilization of the mass spectrometers, a rebate will be offered if the usage amount of the mass spectrometer facility-related services reaches a certain threshold as shown in the table below.

The usage amount of the current year will be counted in December each year and cannot be accumulated across years. The rebate will be credited against the usage fee. It is limited to the services provided by the mass spectrometer facility. The rebate is valid for an unlimited period; however, it shall not be transferred, cash discounted, or redistributed to other users.

Accumulated usage amount (NT\$)	Rebate amount (NT\$)
150,000	15,000
300,000	60,000
600,000	150,000
1,000,000	300,000

IX. Linear-Torsion All-Electric Dynamic Test Instrument Fees:

A. ElectroPuls™ E10000

	NYCU faculty and students	Educational cooperation organizations (including academic units)	Other external organizations
Machine usage fee	NT\$ 2,000/day NT\$ 250/hour	NT\$ 4,000/day NT\$ 500/hour	NT\$ 8,000/day NT\$ 1,000/hour
Consultation fee (first-time usage)	NT\$ 2,000/time	NT\$ 2,500/time	NT\$ 3,000/time
Fixture Rental	NT\$ 5,000/time	NT\$ 5,000/time	NT\$ 5,000/time
New fixture design and manufacturing fees	Additional fee by case	Additional fee by case	Additional fee by case

B. ElectroPuls™ E3000

	NYCU faculty and students	Other external organizations
Machine usage fee	NT\$ 8,000/day NT\$ 800/hour	NT\$ 16,000/day NT\$ 1,600/hour
Consultation fee (first-time usage)	NT\$ 2,000/time	NT\$ 2,000/time
Fixture Rental	NT\$ 5,000/time	NT\$ 5,000/time
New fixture design and manufacturing fees	Additional fee by case	Additional fee by case

X. Cabinet X-ray Irradiator

	NYCU Faculty and Students	Cooperative Educational Units (Including Academic Units)	Other Non-NYCU Units
Machine Usage Fee	NT\$100 /15 minutes	NT\$150 /15 minutes	NT\$200 /15 minutes
Operator's Fee	NT\$200 /hour	NT\$200 /hour	NT\$200 /hour
Mouse Fixator and Lead Shield Rental	NT\$50 /set Return on the Same Day	NT\$50 /set Return on the Same Day	NT\$100 /set Return on the Same Day

Usage Hours Calculation

1. Machine usage fee: If the usage is less than 15 minutes, it will be counted as 15 minutes.
2. Operator's fee: Usage of less than 1 hour will be counted as 1 hour.
3. If you want to use the machine on a Saturday, Sunday, or national holiday, and the operator is not qualified to operate the machine, the operator fee will be charged. As it is necessary to assign staff to monitor and assist in the operation of the equipment, an additional overtime charge of \$1,000/day will be added, and the flexible rate can be discussed during the consultation.

XI. Dry Ice Fee:

- A. NT\$ 30 per pound.
- B. IRC shall charge the usage fee every two months. The payment notice will be mailed to each user in the first half of every odd month.
- C. A 5% additional late payment fee will be charged for every 5 days of overdue payment. (You must first contact the IRC office to verify the amount of the late payment and then go to the Cashier's Office for payment.
- D. If the payment is more than three times overdue, IRC will no longer supply dry ice to the lab.

XII. List of Common Instruments Fees (Currency: NT\$.)

#	Instrument	Brand/Model	NYCU faculty and students ¹	Educational Cooperation Organizations ²	Other external organizations	Description
1	Ultracentrifuge	Beckman	0	200	400	Within 6 hours each time
2	Tabletop Ultracentrifuge	Beckman	0	150	300	Within 6 hours each time
3	High-Speed Centrifuge	Beckman	0	50	100	Within 1 hour each time
4	High Performance Vacuum Centrifuge (SpeedVac)	Thermo	0	50	100	Within 4 hours each time
5	Freeze Dryer	VIRTIS LABCONCO CryoDry	0	100	200	Within 3 days each time
6	ELISA Reader	Tecan	0	50	100	Within half an hour each time
7	Multimode microplate reader	Tecan Thermo	0	50	100	Within half an hour each time
8	UV/VIS Spectrophotometer	Beckman Biochrom	0	50	100	Within half an hour each time
9	NanoDrop Spectrophotometer	Thermo	0	50	100	Within half an hour each time
10	Image Scanning Densitometer	GE Microtek	0	100	200	Within 1 hour each time
11	Luminescence/Fluorescence Imaging System	Fuji GE eBLOT	0	100	200	Within 1 hour each time

#	Instrument	Brand/Model	NYCU faculty and students ¹	Educational Cooperation Organizations ²	Other external organizations	Description
12	Continuous High Pressure Cell Disrupter	Constant	0	50	100	Within 1 hour each time
13	Bead Beating Grinder and Lysis System	MP Biomedicals	0	50	100	Within half an hour each time
14	Cryostat Microtome	Leica espredia (Thermo)	0	200	400	Within 4 hours each time
15	Automated Clinical Chemistry Analyzer	Fuji	0	50	100	Within half an hour each time
16	Seahorse XFe24 Extracellular Flux Analyzer	Seahorse	250	375	500	Within 4 hours each time
17	Real-Time PCR	ThermoFisher BIO-RAD	0	150	300	Within 4 hours each time
18	X-Ray Film Processor	Kodak	0	10	20	Per film
19	Lab-grade Water System	Millipore Elga	0	15	30	per liter
20	Reagent-grade Water System	Millipore Elga	0	20	40	per liter

Remarks:

- Users with the following qualifications shall be charged the same fee as “NYCU faculties and students.”
 (1) Branch campuses (2) Joint appointment faculty (3) National Yang Ming Chiao Tung University Hospital (4) Collaboration with NYCU and the project/grant is under the control of NYCU
- Users with the following qualifications shall be charged the same fee as “Educational Cooperation Organizations.”
 (1) Adjunct faculty (2) Teaching hospitals (Veterans General Hospital, Taipei City Hospital, Far Eastern Memorial Hospital, Cheng Hsin General Hospital, etc.) (3) University System of Taiwan (4) Companies at the Center for Industry-Academia Collaboration, NYCU.