

High Field Nuclear Magnetic Resonance Center, Academia Sinica

Service Policies

2024.01.01

A. Spectrometers :

HFNMRC operates and maintains six liquid-state NMR spectrometer

Spectrometer	From	Place	Probes *	Features
NEO850 **	2010	IBMS B2	TXI_regular TCL_Cryo	- The only 850HMz in Academia Sinica
AVIII800 **	2004	IBMS B2	TXI_regular TXI_Cryo	- The only 800HMz in Academia Sinica - Equipped with auto sampler
AVIII600	2008	IBMS B2	TCL_Cryo	- Equipped with auto sampler
NEO600 **	2003	IBMS B2	TXO_Cryo TCL_Cryo	- Equipped with auto sampler
AV600_CHEM	2002	CHEM B1	TBO_regular QXI_regular BBO_regular	- With Multinuclear Probes , which optimized for X-nuclei detection
NEO500 **	2009	IBMS B2	TXI_Cryo QNP_Cryo	- The only 19F/31P cryoprobe in Taiwan - Equipped with auto sampler
* Higher S/N probe will be routinely installed ** Console upgraded during 2021-2023				

B. Group Account Application :

Each research group should apply for a “Group Account” (one account per lab).

C. User Account Application :

Individual user should apply for “User Account” for on-line reservation.

D. Operator Assistant Service :

One should contact us for details on experiment designed and submit the “Data collection Service” application form. The submit samples will be assigned to one of our staff members.

E. Self-Operation :

Academia users who pass the “operation exam” will be qualified for "self-operation". Only qualified users have the permission to login to spectrometers.

F. Other Service:

In case of specific service requirement, please contact us for details.

G. Reservation Policy :

I. NEO500, NEO600, AVIII600 and AV600_CHEM :

Qualified users can book the NMR time on line by themselves. The minimum slot is one hour, and the maximum is 72 hours. A sign up link is available on HFNMRC homepage (www.nmr.sinica.edu.tw) .

II. AVIII_800 and NEO_850 :

- a. By reservation through on-line submission only.
- b. The time request form and schedule information are available on HFNMRC homepage (www.nmr.sinica.edu.tw) .
- c. Minimum time slot is one hour, and the maximum requested time is one week per NMR in general.
- d. Anything not specifically covered in this policy will be left to the discretion of the HFNMRC manager

H. Payment:

Users should follow the rule of DASIS, Academia Sinica to complete the payment.

I. Acknowledgement :

Users should acknowledge the HFNMRC service on their NMR related reports or publications.
Example on the acknowledgement:

We thank Academia Sinica High-Field NMR Center (HFNMRC) for technical support; HFNMRC is funded by Academia Sinica Core Facility and Innovative Instrument Project (AS-CFII-111-214).

J. Service Charge : (2024.01.01)

	Service Item	Academia (NT\$)	Non-academia (NT\$)
1	500MHz ¹	120/hr	300/hr
2	600MHz ¹	140/hr	350/hr
3	800MHz ¹	200/hr	500/hr
4	850MHz ¹	220/hr	550/hr
5	Small Molecule Data Collection ²	1,000/expt	1,500/expt
6	Experiment Setup Fee for Macromolecule ²	1,500/expt	2,000/expt
7	Fragment Based Screening ³ (data collection)	70,000/case	100,000/case
8	Fragment Based Screening ³ (data collection/processing)	100,000/case	150,000/case

* This fee might be adjusted according to the operational status.

1. In case of regular Room Temperature Probe, reduce N.T.80 per hr.
2. Set up one experiment within one hour. Data collection only, no data analysis nor interpretation is included. (For Academia, minimum charge unit is 15min/expt.)
3. Follow existing Fragment Library SOP in HFNMRC. Please find “Data collection Service” application form for details. Should you need other services, please contact us.
4. Customized service is available, please contact us for details.