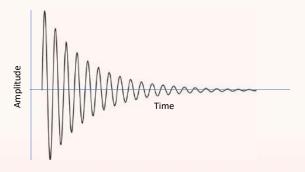


Institute NMR Facility (INF), IISc, Bangalore Online NMR Users' Meeting (16 June 2023)



DST-SAIF 400 MHz Solid state



Experiments: CP-MAS, 2D HETCOR, single pulse decoupling

4 mm MAS probe for detection of ¹H and a X nuclei

Jeol

1D for ¹H and ¹³C
2D experiments such as
HSQC, TOCSY, COSY,
NOESY, ROESY
3D experiments such as
HNCO, HNCA, HNCACO
Variable temperature
experiments

DST-SAIF

2-channel cryoprobe for ¹H and a X nuclei 2-channel HFX probe for simultaneous decoupling of ¹H and ¹⁹F Autosampler



Liquid nitrogen cooled variable temperature unit

Chemistry

Drug Discovery

Pharmaceuticals

Chemical Biology

Bio-inorganic Chemistry

Bio-organic Chemistry

Structural Biology

Metabolomics

Biochemistry

Materials

DST-SAIF 400 MHz Solution state



2-channel probe for ¹H and X nuclei Two 4-channel probes for ¹H, ³¹P, ¹³C & ¹⁵N or ¹H, ³¹P, ¹³C & ¹⁹F

Autosampler

Bruker

500 MHz Solution state



4-channel probe for ¹H ³¹P ¹³C & ¹⁵N 2-channel probe for ¹H and X nuclei 3-channel probe for ¹H ¹³C & ¹⁵N 4-channel probe for ¹H, ²D, ¹⁹F, ¹³C and ¹⁵N

Bruker

500 MHz Solution state

2-channel probe for detection of ¹H and a X nuclei



Jeol

Jeol

700 MHz Solution state

4-channel probe for ¹H ¹⁹F ¹³C ¹⁵N 3-channel for ¹H ¹³C & ¹⁵N 2-channel for ¹H and X nuclei

Bruker



COIL AMONTH

800 MHz Solution state

3-channel cryoprobe for detection of ¹H, ¹⁵N, and ¹³C

5 mm and 1.7 mm probes

Autosampler Bruker

600 MHz, 500 MHz,
400 MHz.
Solution and Solid
State NMR
Spectrometers.
Consultancies.

800 MHz, 700 MHz,

Website : https://inf.iisc.ac.in/

· Contacts: eprabhak@iisc.ac.in, sunitar@iisc.ac.in

600 MHz coming soon