

**80 MHz BENCHTOP NMR SPECTROMETER**

**Instructions for Submission of Internal (CUH) Samples**

- 1) The sample should be submitted in NMR tube along with the duly filled **Requisition Form** which must be signed by the student and his/her supervisor. Forms without signature will not be accepted.
- 2) Students are required to enter the details clearly in the log book.
- 3) One student may submit only one sample per day.
- 4) The sample amount should be in the range of 20 to 40 mg for  $^1\text{H}$  NMR and 100 to 200 mg for  $^{13}\text{C}$  NMR.
- 5) The solubility of the compound(s) should be checked in advance and clearly mentioned in the Requisition Form.
- 6) The samples submitted till 12 noon will only be processed on that day.
- 7) Once done, students can collect their NMR tubes and the raw data will be sent to their email.
- 8) The  $^{13}\text{C}$  NMR will be recorded based on the availability of the machine and only for samples having a clean  $^1\text{H}$  NMR spectrum.
- 9) For any further clarification, please contact the Director, Central Instrumentation Facility, Central University of Haryana ([dircic@cuh.ac.in](mailto:dircic@cuh.ac.in)).

**CENTRAL INSTRUMENTATION CENTRE  
CENTRAL UNIVERSITY OF HARYANA**

**Requisition Form for 80 MHz Benchtop NMR (For CUH Applicant Only)**

*Sr. No. in log book -*

Name of Student and Roll No. :

Department :

Email ID and Mobile No. :

Name of Supervisor :

Sample Code :

Solubility :

Amount submitted (in mg) :

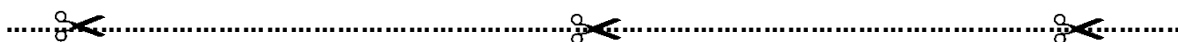
Data Requested ( $^1\text{H}/^{13}\text{C}/^{19}\text{F}$ ) :

Is sample is hazardous :  
(corrosive/explosive/radioactive, etc.). If so,  
specify the appropriate handling instructions

Any other remarks :

**Signature of Student**

**Supervisor's Signature**



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*Sr. No. in log book -*

Name of Student and Roll No. :

Department :

Email ID and Mobile No. :

Name of Supervisor :

Sample Code :

Solubility :

Amount Submitted (in mg) :

Data Requested ( $^1\text{H}/^{13}\text{C}/^{19}\text{F}$ ) :

Is sample is hazardous :  
(corrosive/explosive/radioactive, etc.). If so,  
specify the appropriate handling instructions

Any other remarks :

**Signature of Student**

**Supervisor's Signature**

**80 MHz BENCHTOP NMR SPECTROMETER**

**Instructions for submission of External Samples**

- 1) Prior to the submission of samples, please contact the Director, CIC for the availability of the machine (dircic@cuh.ac.in).
- 2) The sample should be sent in an envelop along with a duly filled **Requisition Form**, which must be signed by the student and his/her supervisor. Samples without signatures will not be accepted.
- 3) Payment should be credited *via* online mode in Director CIC, A/C No. will be updated soon).
- 4) Samples will be analyzed only after the confirmation of payment.
- 5) Expected time of results can vary from one to two weeks. However, downtime of equipment due to any technical reason will be excluded from the above period. There shall be no financial implications on CUH in case of such delay.
- 6) CUH will not send back samples *via* post after analysis, however, it may be collected in person. Further no acknowledgment of sample receipt will be sent.
- 7) The sample amount should be in the range of 20 to 40 mg for  $^1\text{H}$  NMR and 100 to 200 mg for  $^{13}\text{C}$  NMR.
- 8) The solubility of the compound(s) should be checked in advance and clearly mentioned in the Requisition Form.
- 9) Only deuterated chloroform ( $\text{CDCl}_3$ ) will be provided by CIC, however, any other solvent(s), the applicant needs to provide his/her own.
- 10) CUH reserves the right to accept/reject the samples received or to analyze any particular sample on priority basis. Payment made for samples that have not been run/analyzed will be refunded.

**Charges**

Sl. No.	Spectrometer	Nuclei/Expt.	Academia Charges (₹)*	Industry Charges (₹)*
1	80 MHz Benchtop	Proton, 1D	100.00	300.00
2	NMR Spectrometer	Carbon, 1D	200.00	600.00
*18% GST is applicable in addition to the base charges				

**CENTRAL INSTRUMENTATION CENTRE  
CENTRAL UNIVERSITY OF HARYANA**

**Requisition Form for 80 MHz Benchtop NMR**

*User Type: Educational Institutions / Industries (Please tick as applicable)*

Name :  
Department :  
Email ID and Mobile No. :  
Name of Supervisor :  
Department & University/ Institution/  
College :  
Sample Code :  
Solubility in chloroform : High / Moderate / Poor  
Amount submitted (in mg) :  
Data Requested ( $^1\text{H}/^{13}\text{C}$ ) :  
Is sample is hazardous :  
(corrosive/explosive/radioactive, etc.). If so,  
specify the appropriate handling instructions  
Any other remarks :

**Signature of User**

**Supervisor's Signature**

.....  
**Payment details (*Attach a copy of fee receipt*)**

Bank reference No.:

Date of payment:

Amount paid:

.....  
**For Office Use Only**

Payment received vide ref. no.:

Dated:

Job Ref No.: