**NMR Spectroscopy Request Form**

**Central Sophisticated Instrumentation Centre (CSIC)**

**Dibrugarh University**

**Requisition Form**

To be filled compulsorily, otherwise the request will not be accepted.

|  |  |
| --- | --- |
| Name of the User |  |
| Contact No (s) |  |
| Email ID |  |
| Name of Supervisor |  |
| Department |  |
| Name of Institution |  |
| Type of Institution (Please tick) | □Dibrugarh University □Other Educational □Industry/Lab |
| Payment Details | Amount: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (DD No./Cash Deposit Slip date):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
| Number of Samples Submitted |  | |
| Sample Code/Name |  | |
| Solvent (Please tick) | □ CDCl3  □ DMSO  □ Others (Specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, to be provided with the sample) | |
| Nuclei of Interest (Please tick) | * 1H * 13C | |
| Any Additional Experiment Requested (Please tick)  (Additional Charges Apply) | * DEPT-90 * DEPT-135 * COSY * TOCSY | * NOESY * HSQC * HMQC * HMBC |
| Experiment Temperature | * Room Temperature * Other (Specify \_\_\_\_\_\_\_\_\_\_◦C)   (Should not be over boiling point of solvent used) | |
| Hazards or Sample Handling information\*\* (Write on an extra sheet of paper if required) |  | |

**A fresh and blank CD must be submitted with the samples for writing the results of the analysis**.

\*\* If the sample(s) presents any danger to the operator or equipment or stipulates any special treatment as protocol, then kindly provide appropriate handling instructions, otherwise the user will be solely responsible for any resulting damage or accident.

Signature of the Applicant Signature of the Supervisor/Head/

Chairman of Dept/Centre

**OFFICE USE**

Serial No.: Date:

**General Instructions:**

1. All concerned persons, research fellows and students are advised to send their application and

samples through their supervisors or Head of Department.

1. All internal users (DU) must visit the NMR Spectrometer Facility at CSIC for sample preparation. The date and time will be communicated to the user over telephone.
2. Samples will not be analyzed unless appropriate Bank Challan/Demand Draft is received with the sample. We strictly do not handle or entertain any cash payment at CSIC.
3. All internal users (DU) must visit the NMR Spectrometer Facility at CSIC for sample preparation. The date and time will be communicated to the user over telephone.
4. Any Glassware, Solvent or Apparatus issued to use at CSIC must be handled responsibly. Any damage done has to be compensated by the user. All items must to be cleaned by the user after use.

**NMR Spectroscopy Charges**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Analysis** | **Solvent** | **Chargeable Amount (Rs.)** | | |
| Internal  (DU) | Other Academic Institutions | Industry/ Laboratory/  Others |
| 1. | 1H | CDCl3 | 200/- | 400/- | 800/- |
| DMSO | 300/- | 600/- | 1200/- |
| Others\* | 200/- | 400/- | 800/- |
| 2. | 13C | CDCl3 | 250/- | 500/- | 1000/- |
| DMSO | 350/- | 700/- | 1400/- |
| Others\* | 250/- | 500/- | 1000/- |

\*Solvents other than CDCl3 and DMSO is to be provided by the user

**Additional Analysis:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Analysis | Remark | **Additional Chargeable Amount (Rs.)** | | |
| Internal  (DU) | Other Academic Institutions | Industry/ Laboratory/  Others |
| 1. | DEPT-90 | Available when 13C analysis is performed | 50 | 100 | 200 |
| 2. | DEPT-135 | 50 | 100 | 200 |
| 3. | COSY | Available when 1H analysis is performed | 100 | 200 | 400 |
| 4. | TOCSY | 100 | 200 | 400 |
| 5. | NOESY | 100 | 200 | 400 |
| 6. | HSQC | Available when both 1H and 13C are performed together | 150 | 300 | 600 |
| 7. | HMQC | 150 | 300 | 600 |
| 8. | HMBC | 150 | 300 | 600 |

4. The analysis charge must be paid in the form of

(i) Demand draft in favour of The **Registrar, Dibrugarh University** payable at **Dibrugarh University**.

Or

(ii) Bank Challan of PNB, Dibrugarh University Branch.

The duly filled and signed requisition form, the payment receipt and the sample(s) are to be send to:

**Karunakar Borah**

Technical Officer-I

Central Sophisticated Instrumentation Centre (CSIC)

Dibrugarh University, Dibrugarh - 786004

Email: karunakar.borah@dibru.ac.in