

COMSATS University Islamabad, Abbottabad Campus, Pakistan

Bruker Avance III HD 400 MHz NMR Facility for Public Sector Institutions/Organizations

Sr. No.		Types of Analysis	Testing Rates in Rupees
1		Proton NMR Spectra	
	a.	In CDCl ₃	2,500.00
	b.	In any other deuterated solvent	5,000.00
2		Carbon 13 NMR Spectra	
		Broad Band Decoupled Spectra	
	a.	In CDCl ₃	5,000.00
	b.	In any other deuterated solvent	7,000.00
		DEPT 90 and 135 Spectra (Each will be charged as a separate experiment)	
	a.	In CDCl ₃	5,000.00
	b.	In any other deuterated solvent	7,000.00
3		Off Resonance Spectrum	
	a.	In CDCl ₃	6,000.00
	b.	In any other deuterated solvent	8,000.00
4		Inverse NMR measurements (HMBC, HMQC, HSQC etc.) (Each will be charged as a separate experiment)	
	a.	In CDCl ₃	6,000.00
	b.	In any other deuterated solvent	12,000.00
5		Homonuclear 2D COSY, NOESY, TOCSY, DOSY, ROESY (Each will be charged as a separate experiment)	
	a.	In CDCl ₃	2,500.00
	b.	In any other deuterated solvent	5,000.00
6		2D INADEQUATE	
	a.	In CDCl ₃	5,000.00
	b.	In any other deuterated solvent	10,000.00
7		1-D Selective COSY, NOESY, TOCSY (Each will be charged as a separate experiment)	
	a.	In CDCl ₃	2,500.00
	b.	In any other deuterated solvent	5,000.00

Note:

- The above rates are applicable for public sector institutions only.
- For good results, please provide 10-20 mg of the sample which should be free of dust or fibrous particles.
- Samples must be submitted (as ready) for direct analysis as a single pure ingredient with their solubility in any deuterated solvent. The solubility must be prechecked and the solvent in which the spectrum is to be recorded clearly specified.
- If a mixture of solvents is specified for analysis, then the expenses will be charged at the rate of the solvent which is higher in cost, e.g., expense of ¹H NMR analysis in CDCl₃ is Rs. 2,500/- while in CD₃OD is Rs. 5,000/-; in the mixture of CDCl₃-CD₃OD the rate will be Rs. 5,000/- irrespective of the quantity of each solvent used.
- Analysis will be initiated when the testing charges are received in the NMR account.
- The testing charges may be deposited through online transaction, cross cheque/demand draft in the name of COMSATS Abbottabad.
- The spectra may be provided either in the printed form or in the form of FID. If someone gets spectra in the printed form, he/she will not be provided the FIDs and vice versa.

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Package NMR / Simultaneous NMR Experiments Facility for Public Sector Institutions/Organizations

If an individual intends to carry out the following experiments simultaneously for the same sample, then a special discount will be given on these experiments. The original prices of each experiment in different solvents as well as discounts are mentioned as follows:

Sr. No.	Package NMR	Rates of Separate Experiments in Rupees	
		CDCl ₃	Any other solvent
-	Types of Analysis		
1	¹ H	2,500	5,000
2	¹³ C	5,000	7,000
3	DEPT 90	5,000	7,000
4	DEPT 135	5,000	7,000
5	HSQC	6,000	12,000
6	HMBC	6,000	12,000
7	¹ H- ¹ H COSY	2,500	5,000
8	ROESY	2,500	5,000
Total (Rs.)		34,500	60,000
Discount Offered on Total Charges		13%	45%
Final Charges after discount (Rs.)		30,000	33,000

Sr. No.	03 Simultaneous Experiments	Rates of Separate Experiments in Rupees	
		CDCl ₃	Any other solvent
-	Types of Analysis		
1	¹ H	2,500	5,000
2	¹³ C (BB)	5,000	7,000
3	DEPT	5,000	7,000
Total Price (Rs.)		12,500	19,000
Final Charges after discount (Rs.)		10,000	12,000

Sr. No.	02 Simultaneous Experiments	Rates of Separate Experiments in Rupees	
		CDCl ₃	Any other solvent
-	Types of Analysis		
1	¹ H	2,500	5,000
2	¹³ C (BB)	5,000	7,000
Total (Rs.)		7,500	12,000
Final Charges after discount (Rs.)		6,000	8,000

Note:

We have the following deuterated solvents in the category of in "ANY OTHER DEUTERATED SOLVENT": D₂O, CD₃OD, DMSO-d₆, Acetone-d₆, Benzene-d₆