

FTIR Sample Analysis Protocol

1. Nature of Samples

1. Samples can be in the form of powder, liquid, or polymer. However, they should not be sticky. If the sample is sticky, you must inform in which solvent the sample is soluble.

2. Necessary handling instructions for valuable and/or hazardous sample should be clearly written. Clearly mention if your sample is hygroscopic and if there is a possibility of chemical reaction with metal or glass sample holder.

For more details and data output format/processing contact: garaman@iitk.ac.in and sudesh@iitk.ac.in

2. Samples can be submitted in person to the FTIR Lab

Location:

Lab no. 107C, Old Core Lab (Ground Floor)
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

3. Samples can also be shipped at the following address:

FTIR Laboratory
FB431, Faculty Building
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

Mass Spectrometry Analysis Protocol

1. Nature of Samples

1. Samples can be in the form of powder or liquid with good solubility.
2. Necessary handling instructions for valuable and/or hazardous sample should be clearly written. Clearly mention if your sample is hygroscopic and if there is a possibility of chemical reaction with metal or glass. Information regarding solubility and any specific sample preparation protocol must be shared.

For more details and data output format/processing contact: parthas@iitk.ac.in surajt@iitk.ac.in and kadiga@iitk.ac.in

2. Samples can be submitted in person to the Mass Lab

Location:

Lab no. 107D, Old Core Lab (Ground Floor)
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

3. Samples can also be shipped at the following address:

Mass Spectrometry Laboratory
FB431, Faculty Building
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

UV-Vis-NIR and Fluorimetry Analysis Protocol

1. Nature of Samples

1. Samples can be in the form of powder or liquid with good solubility.

2. Necessary handling instructions for valuable and/or hazardous sample should be clearly written. Clearly mention if your sample is hygroscopic and if there is a possibility of chemical reaction with metal or glass. Information regarding solubility, desired concentration and any specific sample preparation protocol must be shared.

For more details and data output format/processing contact: ritika@iitk.ac.in nagma@iitk.ac.in and sudesh@iitk.ac.in

2. Samples can be submitted in person to the Lab

Location:

Lab no. 107E, Old Core Lab (Ground Floor)
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

3. Samples can also be shipped at the following address:

UV-Vis-NIR and Fluorimetry Laboratory
FB431, Faculty Building
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

NMR Analysis Protocol

1. Nature of Samples

1. Samples can be in the form of powder or liquid with good solubility. Analysis of solid state samples is not available.

2. Necessary handling instructions for valuable and/or hazardous sample should be clearly written. Clearly mention if your sample is hygroscopic and if there is a possibility of chemical reaction with metal or glass. Information regarding solubility and any specific sample preparation protocol must be shared.

For more details and data output format/processing contact: ddethe@iitk.ac.in
pramodkr@iitk.ac.in and manishap@iitk.ac.in

2. Samples can be submitted in person to the NMR Lab

Location:

Lab no. 107A/B/D, Old Core Lab (Ground Floor)
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

3. Samples can also be shipped at the following address:

NMR Laboratory
FB431, Faculty Building
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, Uttar Pradesh -208016

Payment Method

Payment has to be done online to 'The Registrar, IIT Kanpur'. Account number will be provided. Proof of payment is required. No other payment mode is acceptable.

If an invoice is required, please inform in advance. Generation of an invoice takes 3-4 weeks. Hard copy of the invoice has to be collected from the laboratory.

Carefully read and fill the consent letter below. The consent letter must be printed on your organization's letterhead and signed stamped by your Principal Investigator.

Charges for various instruments are given below. Please contact via email for any further queries.

(Letter Head of the sponsor)

(Date)

To
Dean of Research & Development
Indian Institute of Technology Kanpur

Dear Sir:

Sub: (Title of the project) _____
Project Investigator(s) (PIs) from IIT Kanpur _____

With reference to the above, we agree to the following are terms and conditions of IIT Kanpur:

1. Any and all deliverables, information, materials, reports, results, services, intellectual property, other property or rights, prototype ("Outcomes") developed, granted or provided by IIT Kanpur to the Funding Agency are on an as-is-where-is basis.
2. The Outcomes provide views/ thought/ opinion of the PI(s) as subject expert and not that of IIT Kanpur. The Funding Agency accepts full responsibility for its use.
3. IIT Kanpur and the PI(s) do not make any warranties of any kind, either express or implied, as to any matter including, but not limited to, warranty of fitness for particular purpose, or merchantability, exclusivity or results obtained from use. IIT Kanpur and the PI(s) shall not be liable for any loss or damage including third party damage that may arise out of usage of the Outcomes.
4. IIT Kanpur and the PI(s) will not be liable to the Funding Agency or any third party for any decision made or action taken in reliance on the Outcomes or for any consequential, special or similar damages, even if advised of the possibility of such damages.
5. The Outcomes are not to be considered as certification. The Outcomes are merely for research and scientific studies purposes and are not a legal validation of the sample or material.
6. IITK and the PI(s) will neither be liable to appear for any enquiry or clarification nor ensure to maintain any records.

Thanking you.

Yours Sincerely

(Authorized Signatures of the Sponsor and Seal)

Name:

Designation:

Contact Number:

Department of Chemistry IIT Kanpur

Central Instrument Facility

FTIR Spectrometer User Charges

LDA- IITK/CHM/2021519

Room Number CL107C

Instrument	Company	IITK User	Government Institutes	Any other user
FTIR	Shimadzu	Rs. 75.00 per sample	Rs. 175.00 per sample	Rs. 300 per sample

Date: January 1, 2025



Prof. G. Anantharaman

Faculty In Charge

Dr. G. ANANTHARAMAN
DEPARTMENT OF CHEMISTRY
I.I.T., KANPUR-208 016

Department of Chemistry IIT Kanpur

Central Instrument Facility

Mass Spectrometry User Charges

LDA- IITK/CHM/2022489

Room Number CL107D

Instrument	Company	Government Institutes	Any Other User
ESI-MS	Agilent	Rs. 750.00 per sample	Rs. 1250.00 per sample

Date: January 1, 2025

Prof. P. Subramanian

Faculty In Charge

Department of Chemistry IIT Kanpur

Central Instrument Facility

UV-Vis NIR Spectrometer and Spectrofluorometer User Charges

LDA- IITK/CHM/2023237

Room Number CL107E

S. No.	Instrument	Company (Model)	Charges CHM User	Charges IITK User	Charges Any Other User
1	UV-Vis Spectrometer (Old)	JASCO V-670	Rs. 20.00 per hour	Rs. 100.00 per hour	Rs. 500.00 per hour
2	UV-Vis Spectrometer (New)	JASCO V-770	Rs. 50.00 per hour	Rs. 100.00 per hour	Rs. 500.00 per hour
3	Spectro Fluoro- Photometer (Old)	HORIBA Fluoromax-4	Rs. 20.00 per hour	Rs. 100.00 per hour	Rs. 500.00 per hour
4	Spectro Fluoro- Photometer (New)	HORIBA -C-Plus	Rs. 60.00 per hour	Rs. 150.00 per hour	Rs. 500.00 per hour

Date: October 4, 2024

Vishal

Prof. Vishal Govind Rao

Faculty In Charge
Spectrofluorometers

Dr. Vishal Govind Rao

Assistant Professor
Department of Chemistry
Indian Institute of Technology, Kanpur

Nagma Parveen

Prof. Nagma Parveen

Faculty In Charge
Spectrofluorometers

Dr. Nagma Parveen
Assistant Professor
Department of Chemistry
IIT Kanpur

Ritika

Prof. Ritika Gautam Singh

Faculty In Charge
UV-Vis NIR Spectrometers

Dr. Ritika Gautam
Assistant Professor
Department of Chemistry
Indian Institute of Technology Kanpur
Kalyanpur, Kanpur - 208016

Department of Chemistry IIT Kanpur

Central Instrument Facility

NMR Facility User Charges

LDA- IITK/CHM/2022157

Room Number CL107A/B/D

Instrument	Company	Government Institutes	Any Other User
NMR	JEOL 400 & 500 MHz	Proton Rs. 300.00 per sample 13C NMR- Rs. 500/- per 1000 scans All other experiments - Rs.500/- per hour	Proton Rs. 500.00 per sample 13C NMR- Rs. 1000/- per 1000 scans All other experiments - Rs.1000/- per hour

Date: January 1, 2026



Prof. D. H. Dethe

Faculty In Charge

Dr. Dattatraya H. Dethe
Professor
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur - 208 016 (India)