



## INSTRUMENTS AVAILABLE AT CIL

### 1. NMR SPECTROMETER

**Make: Bruker**  
**Model: AVANCE III- 400 MHz**



Type of Services	Charges for Industry /Private Institutes
<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> N, <sup>31</sup> P and all other nuclei (With all available solvents)	Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more
D2O Exchange	Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more
2-D COSY, HMBC, HMQC including 1D experiments required	Rs. 3000 per Spectrum or Rs. 3000 per hour of instrument time whichever is more
NOESY, ROESY, TOXCY etc.	Rs. 3000 per Spectrum or Rs. 3000 per hour of instrument time whichever is more
DEPT 45, DEPT 90 & DEPT 135 (Combined)	Rs.4000per Spectrum upto 1 hour and Rs2000 per hour of additional instrument time.

### 2. LCMS<sup>n</sup>(n=9) with APCI/ ESI PROBE

**Make: Finnigan mat**  
**Model: LCQ**



Type of Services	Charges for Industry /Private Institutes
Direct Injection Mass	Rs. 2000 per sample
Direct Injection Mass/ MS-MS (n=1)	Rs. 3000 per sample
Direct Injection Mass/ MS-MS (n=2-9)	Additional Rs. 2000 per MS for single peak

### 3. LCMS<sup>n</sup>(n=9) with APCI/ ESI PROBE

**Make: Thermo**  
**Model: LTQ-XL**



Type of Services	Charges for Industry /Private Institutes
Direct Injection Mass	Rs. 2000 per sample
Direct Injection Mass/ MS-MS (n=1)	Rs. 3000 per sample
Direct Injection Mass/ MS-MS (n=2-9)	Additional Rs. 2000 per MS for single peak
LCMS (Method to be Provided)	Rs. 4000 per sample
LC-MS / MS (n=1)(Method to be Provided)	Rs. 5000 per sample
LC-MS / MS (n=2-9) (Method to be Provided)	Additional Rs 2000 per MS for single peak



#### 4. HIGH RESOLUTION LCMS/MS

Make: Bruker  
Model: Maxis

UPLC Make: Water  
UPLC Model: Equity



Type of Services	Charges for Industry /Private Institutes
Direct Injection MS	Rs. 10,000
LCMS	Rs. 12,000
LCMS/MS (MS for one peak)	Rs. 14,000
CHN determination (Single Mass)	Included in above
Protein sequencing	Included in above

#### 5. GCMS<sup>n</sup> (n=5)

Make: Thermo  
Model: LTQ-XL



Type of Services	Charges for Industry /Private Institutes
GCMS in EI mode (Method to be Provided)	Rs. 1500 per sample
GCMS in CI mode (Method to be Provided)	Rs. 1800 per sample
Direct Injection Mass in EI mode	Rs. 1500 per sample
Direct Injection Mass in CI mode	Rs. 1800 per sample
Additional Peak Spectra	Included in above
Library Search	Rs. 300 per peak
Column Changing Charges	Rs. 6000

#### 6. MALDITOF-TOF MASS SPECTROMETER

Make: Bruker  
Model: Ultraflex TOF/TOF



Type of Services	Charges for Industry /Private Institutes
MALDI MS	Rs. 5000 per sample
MALDI MS/ MS	Rs. 6000 per sample
Peptide Mass Fingerprinting	Rs. 8000 per sample



**राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान एस.ए.एस नगर**  
National Institute of Pharmaceutical Education and Research S.A.S Nagar  
Sector 67, S.A.S Nagar (Mohali) – 160 062, Punjab (India)

## 7. 2DGC with HEAD SPACE AUTO SAMPLER

**Make: Thermo**  
**Model: Trace GC Ultra**



### Type of Services

### Charges for Industry /Private Institutes

Qualitative Analysis(Method to be Provided)

Rs. 1500 per injection or Rs.1500 per hour of instrument time whichever is more

Quantitative Analysis(Method to be Provided)

Rs. 1200 per injection or Rs.1200 per hour of instrument time whichever is more

Standard Curve Single Element for Quantitative Analysis (Method to be provided)

Rs. 3000 with 5 point curve

Standard Curve each additional Element for Quantitative Analysis (Method to be provided)

Rs. 3000 with 5 point curve

## 8. HPLC

**Make: Shimadzu**  
**Model: LC-10ATVP**



### Type of Services

### Charges for Industry /Private Institutes

Using C-18, C-8 or Phenyl Columns and UV/RI/ Fluorescence/ PDA detectors  
Qualitative Analysis(Method to be provided)

Rs. 1500 per sample or Rs. 1500 per hour of instrument time whichever is more

Using C-18, C-8 or Phenyl Columns and UV/RI/ Fluorescence/ PDA detectors  
Quantitative Analysis(Method to be provided)

Rs.2000 per sample or Rs. 2000 per hour of instrument time whichever is more

Using ELSD detectors  
Qualitative Analysis(Method to be provided)

Rs. 2500 per sample or Rs. 2500 per hour of instrument time whichever is more

Using ELSD detectors  
Quantitative Analysis(Method to be provided)

Rs. 3000 per sample or Rs. 3000 per hour of instrument time whichever is more

## 9. FTIR with ATR & IR MICROSCOPE

**Make: Perkin Elmer**  
**Model: Synthesis Monitoring System**



### Type of Services

### Charges for Industry /Private Institutes

Normal Spectrum (per Spectra)

Rs. 1000

Synthesis Monitoring System SMS (per Spectra)

Rs. 1500

Peptide Mass Fingerprinting

Rs. 8000 per sample



## 10. UV / VIS SPECTROPHOTOMETER

**Make: Shimadzu**  
**Model: UV-2450**



Type of Services	Charges for Industry /Private Institutes
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Normal Spectrum Qualitative	Rs. 1000 per spectrum
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Normal Spectrum Quantitative	Rs. 1200 per spectrum
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## 11. FLUORESCENCESPECTROPHOTOMETER

**Make: Varian/ Perkin Elmer**  
**Model: CARY-Eclipse/ LS-50B**



Type of Services	Charges for Industry /Private Institutes
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Normal Spectrum	Rs. 1000 per sample
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Plate Reader	Rs. 3000 per plate
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## 12. POLARIMETER

(Wavelength 365, 405, 436, 546, 589 & 633 nm)

**Make: RUDOLPH**  
**Model: Autopol-V**



Type of Services	Charges for Industry /Private Institutes
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Specific Optical Rotation for each wave length	Rs. 1000 per Spectrum
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Optical Rotation for each wave length	Rs. 1000 per Spectrum
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Concentration for each wave length	Rs. 1000 per Spectrum
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Sample Preparation	Included in Rs.1000
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## 13. CIRCULAR DICHROISM

**Make: Jasco**  
**Model: J-815**



Type of Services	Charges for Industry /Private Institutes
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Normal Spectrum Qualitative	Rs. 1000 per Spectrum or Rs. 1000 per hour of instrument time whichever is more
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Normal Spectrum Quantitative	Rs. 1200 per Spectrum or Rs. 1200 per hour of instrument time whichever is more
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## 14. ELEMENTAL ANALYZER

Make: Thermo  
Model: Flash 2000



### Type of Services

### Charges for Industry /Private Institutes

C, H, N & S

Rs. 2500 per sample

## 15. TGA

Make: Mettler Toledo  
Model: TGA/SDTA 851<sup>e</sup>



### Type of Services

### Charges for Industry /Private Institutes

Normal Spectrum

Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more

## 16. DSC

Make: Mettler Toledo  
Model: DSC 821<sup>e</sup>



### Type of Services

### Charges for Industry /Private Institutes

Normal Spectrum

Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more

## 17. DSC

Make: PerkinElmer  
Model: Diamond DSC



### Type of Services

### Charges for Industry /Private Institutes

Normal Spectrum

Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more



## 18. ATOMIC ABSORPTION SPECTROMETER

**Make: Analytic Gena**  
**Model: AAS 5EA**



### Type of Services

### Charges for Industry /Private Institutes

As, Ba, Cd, Cr, Hg, K, Mg Ni, Pb,  
Sb, Se, Mn, Fe, Cu, Na, K, Zn

Rs. 2000 per Element per Sample  
(Including Sample Preparation)

## 19. FREEZE DRYER (Lyophilizer)

**Make: Heto**  
**Model: FD-8-85**



### Type of Services

### Charges for Industry /Private Institutes

RBG Bottle 500 ml / 1000 ml

Rs. 1000 per sample up to 100ml / 24 hr

Tray (1 Nos.)

Rs. 2000 / hr of instrument time

Tray (2 Nos.)

Rs. 3000 / hr of instrument time

## 20. FREEZE DRYER (Lyophilizer)

**Make: Heto**  
**Model: FD-1-110**



### Type of Services

### Charges for Industry /Private Institutes

RBG Bottle 500 ml / 1000 ml

Rs. 1000 per sample up to 100ml / 24 hr



## 21. TITRATOR

**Make: Metrohm**  
**Model: 716 DMS Titrino**



### Type of Services

### Charges for Industry /Private Institutes

Moisture (Including 3 samples for factor calculation, 1 for standard & 2 for duplicate sample) with Methanol as solvent

Rs. 2500 for 1<sup>st</sup> sample and Rs.500 per additional sample

Moisture (Including 3 samples for factor calculation, 1 for standard & 2 for duplicate sample) with Pyridine as solvent

Rs. 3000 for 1<sup>st</sup> sample and Rs.500 per additional sample

## 22. ULTRA CENTRIFUGE (Refrigerated)

**Make: Beckman Coulter**  
**Model: Optima LE-80K**



### Type of Services

### Charges for Industry /Private Institutes

Fixed Angle Rotor without Tubes

Rs. 1500 per hour

Fixed Angle Rotor with Tubes

Rs. 2000 per hour

Swing Bucket without Tubes

Rs. 1500 per hour

Swing Bucket with Tubes

Rs. 2000 per hour

## 23. POWDER XRD

(with auto sampler, temperature & humidity controller)

**Make: Bruker**  
**Model: D8**



### Type of Services

### Charges for Industry /Private Institutes

Powder XRD

Rs.3000 per Spectrum or Rs. 3000 per hour of instrument time whichever is more



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24. DVS

Make: TA (Water)  
Model: Q5000 SA



Type of Services

Charges for Industry /Private Institutes

Normal analysis

Rs.2500 per sample or Rs. 2500 per hour  
of instrument time





### **Sample Submission Procedure**

1. It is required to supply samples for each instrument separately with proper sample code, name of instrument, analysis required and quantity of sample in the eppendorf tubes of 1.5 ml volume. Please provide required sample quantities as specified on requisition forms. Please insure that only requested quantity is provided.
2. Please add service tax @ 15% in the above rate list.
3. Please add courier charges of Rs.100.
4. Please add 25% in the above rate list for soft copy of analysis i.e. data in excel or other format which are possible with the specific instrument except PDF.
5. The above charges are for industry/private institutes.
6. The government academic institutes/nonprofit making government sponsored institute will be charged only half the charges indicated above.
7. The SME-Pharma will be charged only half of the charges indicated in list.
8. The samples will be analyzed within 15 working days after completion of all formalities. In case of short payment, incomplete method, system problem the time will start after sorting all issues. Samples will be analyzed on first come first served basis. No enquiry will be entertained after 30 days of dispatch of results.
9. No enquiry from outside party regarding completion of analysis of samples will be entertained before 15 working days.
10. Samples requiring a specific method will not be accepted unless accompanied with detailed method and availability of requisite infrastructure/chemicals at NIPER. The receipt of payment should also be deferred in these cases till the time full clarity is obtained from party.
11. No sample will be processed without duly filled "Service Request Form" available on NIPER website.
12. Entry of outsider (submitting samples) will be strictly forbidden in the instrument laboratories. The samples must be submitted to the authorized person.



## राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान एस.ए.एस नगर

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13. The payments will be accepted vide DD only payable in favor of Director, NIPER payable at Chandigarh/ Mohali.
14. In case of concession charges request letter should be on original institute/ university letter head signed and stamped by HOD with proper office dispatch number. Service request forms must be filled along with the request letter for each instrument. The letter should be addressed to Director, NIPER, Sector 67, Mohali. No photo copy, scan copy, email copy or pen drive copy of letter head will be accepted.
15. No sample will be analyzed without advance payment.
16. You may open an account with the institute by sending advance payment vide DD payable in favor of Director, NIPER payable at Chandigarh/ Mohali to avoid delay in sample analysis.
17. The sample name/ batch no/ required analysis should be clearly mentioned on request letter and requisition form.
18. Samples submitted in violation of submission procedure will not be entertained.
19. Email address for communication with CIL will be [cil@niper.ac.in](mailto:cil@niper.ac.in). Phone numbers for communication will be +91 172 2292019 & +91 172 2292015
20. If payment should be made via online/ electronic transfer, details should be intimated by emailing at [cil@niper.ac.in](mailto:cil@niper.ac.in) or posting hard copy at the correspondent address.



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21. For online payment/ electronic transfer the detail are as follows:

Bank Name	State Bank of Patiala
Branch Name	NIPER Branch
Address	NIPER Campus, Sector – 67, SAS Nagar, Punjab, India
Account No.	55034549623 (DIRECTOR NIPER MAIN ACCOUNT NUMBER)
Branch Code	51018
IFSC Code	STBP0001018
MICR Code	160007063
Swift Code	STBPINBB167

22. Address for sample dispatch:

Mr. Vikas Grover,  
Room No 106, A - Block,  
NIPER, Sector 67,  
Mohali- 160062

23. Address of correspondence:

Director,  
NIPER, Sector 67,  
Mohali- 160062