

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

SECTOR 67, PHASE X, S.A.S. NAGAR - 160 062

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CIL INSTRUMENTS

Sample Analysis Charges and Sample Submission Procedure

w.e.f. 1 APRIL, 2018

<i>S. No</i>	<i>Instrument Facility</i>	<i>Type of Services</i>	<i>Proposed Rate for industry</i>
01	NMR SPECTROMETER Make: Bruker Model: AVANCE III- 400 MHz	¹ H, ¹³ C, ¹⁵ N, ³¹ P and all other nucli (With all available solvents)	Rs. 4000 per Spectrum or Rs. 4000 per hour of instrument time whichever is more
		D ₂ O Exchange	Rs. 4000 per Spectrum or Rs. 4000 per hour of instrument time whichever is more
		2-D COSY , HMBC, HMQC including 1D experiments required	Rs. 5000 per Spectrum or Rs. 5000 per hour of instrument time whichever is more
		NOESY, ROESY, TOXCY etc	Rs. 5000 per Spectrum or Rs. 5000 per hour of instrument time whichever is more
		DEPT 45, DEPT 90 & DEPT 135 (Combined)	Rs. 6000 per Spectrum upto 1 hour and Rs. 6000 per hour of additional instrument time.

02	LCMSⁿ (n=9) with APCI/ ESI PROBE Make: Finnigan mat Model: LCQ	Direct Injection Mass	Rs. 5000 per Sample
		Direct Injection / MS-MS (n=1)	Rs. 6000 per sample
		Direct Injection / MS-MS (n=2-9)	Additional Rs 2000 per MS for single peak
03	LCMSⁿ (n=9) WITH APCI/ ESI PROBE Make: Thermo Model: LTQ-XL	Direct Injection Mass	Rs. 5000 per Sample
		Direct Injection / MS-MS (n=1)	Rs. 6000 per sample
		Direct Injection / MS-MS (n=2-9)	Additional Rs 2000 per MS for single peak
		LCMS (Method to be Provided)	Rs. 6000 per Sample
		LC-MS / MS (n=1) (Method to be Provided)	Rs. 7000 per Sample
		LC-MS / MS (n=2-9) (Method to be Provided)	Additional Rs. 2000 per MS for single peak
04	HIGH RESOLUTION LCMS/MS MS Make: Bruker MS Model: maXis UPLC Make: Waters UPLC Model: Equity	Direct Injection MS	Rs. 12500 per Sample
		LCMS	Rs. 16000 per Sample
		LCMS/MS (MS for one peak)	Rs. 18000 per Sample
		CHN determination (Single Mass)	Included in above
		Protein sequencing	Included in above
05	GCMSⁿ (n=5) Make: Thermo Make: Polaris-Q	GCMS in EI mode (Method to be Provided)	Rs. 5000 per Sample
		GCMS in CI mode (Method to be Provided)	Rs. 6000 per Sample
		Direct Injection MS in EI mode	Rs. 5000 per Sample
		Direct Injection MS in CI mode	Rs. 6000 per Sample

		Additional Peak Spectra	Included in above
		Library Search	Rs. 500 per Peak
		Column Changing Charges	Rs. 8000
06	MALDI TOF – TOF MASS SPECTROMETER Make: Bruker Model: Ultraflex TOF/TOF	MALDI MS	Rs. 6000 per Sample
		MALDI MS / MS	Rs. 7000 per Sample
		Peptide Mass Fingerprinting	Rs. 9000 per Sample
07	2DGC with HEAD SPACE AUTO SAMPLER Make: Thermo Model: Trace GC Ultra	Qualitative Analysis (Method to be Provided)	Rs. 3000 per injection or Rs. 3000 per hour of instrument time whichever is more
		Quantitative Analysis (Method to be Provided)	Rs. 3500 per injection or Rs. 3500 per hour of instrument time whichever is more
		Standard Curve Single Element for Quantitative Analysis (Method to be provided)	Rs. 5000 with 5 point curve
		Standard Curve each additional Element for Quantitative Analysis (Method to be provided)	Rs. 5000 with 5 point curve
08	HPLC Make: Shimadzu	Using C-18, C-8 or Phenyl Columns and UV/RI/ Fluorescence/ PDA detectors Qualitative Analysis (Method to be provided)	Rs. 2000 per Sample or Rs. 2000 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. 2500 per Sample or Rs. 2500 per hour of instrument time whichever is more
		Using ELSD detectors Qualitative Analysis (Method to be provided)	Rs. 3000 per Sample or Rs. 3000 per hour of instrument time whichever is

			more
		Using ELSD detectors Quantitative Analysis (Method to be provided)	Rs. 3500 per Sample or Rs. 3500 per hour of instrument time whichever is more
09	FTIR with ATR & IR MICROSCOPE Make: Perkin Elmer Model: Synthesis Monitoring System	Normal Spectrum (per Spectra)	Rs. 2000 per Sample
		Synthesis Monitoring System SMS (per Spectra)	Rs. 2500 per Sample
10	UV / VIS Spectrophotometer Make: Shimadzu Model: UV-2450	Normal Spectrum Qualitative	Rs. 1500 per Spectrum
		Normal Spectrum Quantitative	Rs. 1700 per Spectrum
11	FLUORESCENCE SPECTROMETER Make: Varian / Perkin Elmer Model: CARY-Eclipse/ LS-50B	Normal Spectrum	Rs. 2000 per Sample.
		Plate Reader	Rs. 6000 per Plate
12	Polarimeter Wavelength 365, 405, 436, 546, 589 & 633 nm Make: RUDOLPH Model: Autopol-V	Specific Optical Rotation for each wave length	Rs. 2000 per Spectrum
		Optical Rotation for each wave length	Rs. 2000 per Spectrum
		Concentration for each wave length	Rs. 2000 per Spectrum
		Sample Preparation	Included in Rs. 2000.
13	CIRCULAR DICHROISM Make: Jasco Model: J-815	Normal Spectrum Qualitative	Rs. 2000 per Spectrum or Rs. 2000 per hour of instrument time whichever is more
		Normal Spectrum Quantitative	Rs. 2500 per Spectrum or Rs. 2500 per hour of instrument time whichever is more

14	ELEMENTAL ANALYZER Make: Thermo Model: Flash 2000	C, H, N & S.	Rs. 6000 per sample
15	TGA Make: Mettler Toledo Model: TGA/SDTA 851°	Normal Spectrum	Rs. 4000 per Spectrum or Rs. 4000 per hour of instrument time whichever is more
16	DSC Make: Mettler Toledo Model: DSC 821°	Normal Spectrum	Rs. 3000 per Sample or Rs. 3000 per hour of instrument time whichever is more
17	DSC Make: PerkinElmer Model: Diamond DSC	Normal Spectrum	Rs. 3000 per Sample or Rs. 3000 per hour of instrument time whichever is more
18	ATOMIC ABSORPTION SPECTROMETER Make: Analytic Gena Model: AAS 5EA	As, Ba, Cd, Cr, Hg, K, Mg Ni, Pb, Sb, Se, Mn, Fe, Cu, Na, K, Zn	Rs. 3000 per Element per Sample (Including Sample Preparation)
19	FREEZE DRYER (Lyophilizer) Make: Heto Model: FD-8-85	RBG Bottle 500 ml / 1000 ml	Rs. 2000 per sample up to 100ml / 24 hr.
		Tray (1 Nos.)	Rs. 3000 / hr of instrument time
		Tray (2 Nos.)	Rs. 4000 / hr of instrument time

20	FREEZE DRYER (Lyophilizer) Make: Heto Model: FD-1-110	RBG Bottle 500 ml / 1000 ml	Rs. 2000 per sample up to 100ml / 24 hr.
21	TITRATOR Make: Metrohm Model: 716 DMS Titrino	Moisture (Including 3 samples for factor calculation, 1 for standard & 2 for duplicate sample) with Methanol as solvent	Rs. 3000 for 1 st sample and Rs.1000 per additional sample
		Moisture (Including 3 samples for factor calculation, 1 for standard & 2 for duplicate sample) with Pyridine as solvent	Rs. 3500 for 1 st sample and Rs.1000 per additional sample
22	ULTRA CENTRIFUGE (Refrigerated) Make: Beckman Coulter Model: Optima LE-80K	Fixed Angle Rotor without Tubes	Rs. 2000 per hr.
		Fixed Angle Rotor with Tubes	Rs. 2500 per hr.
		Swing Bucket without Tubes	Rs. 2000 per hr.
		Swing Bucket with Tubes	Rs. 2500 per hr.
23	POWDER XRD with auto sampler, temperature & humidity controller Make: Bruker Model: D8	Powder XRD	Rs. 4000 per Spectrum or Rs. 4000 per hour of instrument time whichever is more
24	DVS Make:TA (Waters) Model: Q5000 SA	Normal Analysis	Rs. 2500 per sample or Rs. 2500 per hour of instrument time whichever is more
25	Semi Preparative HPLC	Method and Solvents to be provided by user	Rs. 5000 per hour of instrument time
26	Preparative HPLC	Method and Solvents to be provided by user	Rs. 6000 per hour of instrument time

Sample Submission Procedure

1	<i>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.</i>
2	<i>Please add GST @ 18.00% in the above rate list.</i>
3	<i>Please add courier charges of Rs.100.</i>
4	<i>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.</i>
5	<i>The above charges are for industry.</i>
6	<i>The academic institutes will be charged only half the charges indicated above.</i>
7	<i>The SME- Pharma will be charged only half of the charges indicated in list.</i>
8	<i>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.</i>
9	<i>No enquiry from outside party regarding completion of analysis of samples will be entertained before 15 working days.</i>
10	<i>Samples requiring a specific method will not be accepted unless accompanied with detailed method and availability of requisite infrastructure/chemicals at CIL. The receipt of payment should also be deferred in these cases till the time full clarity is obtained from party.</i>

11	<i>No sample will be processed without duly filled “Service Request Form” available on NIPER website</i>	
12	<i>Entry of outsider (submitting samples) will be strictly forbidden in the instrument laboratories. The samples must be submitted to the authorized person.</i>	
13	<i>Please note that CIL, NIPER will first cater to its own students and faculty.</i>	
14	<i>The payments can be deposited vide DD payable in favor of Director, NIPER payable at Chandigarh / Mohali or through RTGS / NEFT.</i>	
15	<i>In case of concession charges request letter should be on original institute/ university letter head <u>signed and stamped by HOD with proper office dispatch number</u>. 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. <u>No photo copy, scan copy, email copy or pen drive copy of letter head will be accepted.</u></i>	
16	<i>No sample will be analyzed without advance payment.</i>	
17	<i>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.</i>	
18	<i>The sample name / batch no / required analysis should be clearly mentioned on request letter and requisition form.</i>	
19	<i>Samples submitted in violation of submission procedure will not be entertained.</i>	
20	<i>Email address for communication with CIL will be “cil@niper.ac.in”</i>	
21	<i>Phone numbers for communication will be +91 172 2292019 & +91 172 2292015</i>	
22	<i>Address for sample dispatch</i> <i>Mr. Vikas Grover, Room No 106, A - Block, NIPER, Sector 67, Mohali- 160062</i>	<i>Address for correspondence</i> <i>Director NIPER, Sector 67, Mohali- 160062</i>