



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान
National Institute of Pharmaceutical Education & Research
सैक्टर-67, एस.ए.एस. नगर, पंजाब-160062

NIPER/RGO/00/2014/ 1560

01.10.2014

कार्यालय आदेश

All the major instruments of the Institute (as per attached list) will be reserved for minimum two working days in a week for the analysis of samples received at Central Instrumentation Laboratory (CIL) from the faculty/students of the Institute. External users may also utilize these instruments as per CIL policy.

The instruments will be maintained and operated by the concerned Department. All spares consumable, AMC and other instrument related issues will be taken care by the respective Department. All the logbooks and records will be maintained by the concerned department. The analysis charges are :

1. Industry/private Institute as per attached rate list.
2. SMPIC/Government Institute will be charged 50% of the rate list
3. Faculty/students of NIPER will be charged 25% of the Government/Institutional charges and charges shall be debited from their respective allocations for consumables/contingencies.

This issues with the approval of Competent Authority.

[विंग कमांडर पी. जे. पी. सिंह वडैच (सेवानिवृत्त)]
कुलसचिव

CC:

Secretary to Director

Dean

All HODs/All faculty Members -

/All section Heads

Public Relation Cell -

Head, Computer Centre -To upload on the website of the Institute.

All Notice Boards

Concerned file.

List of NIPER Instruments

S. No	Instrument
1	NMR SPECTROMETER Make: JEOL Model: ECA500 MHz
2	LC-NMR- SHIMADZU-JEOL 500 MHz
3	LC/MS MicroTOF Make: Bruker
4	LCMS ⁿ Make: Thermo Model: LTQ-XL
5	Accelerated Solvent Extraction (ASE)
6	FREEZE DRYER (Lyophilizer)
7	HPLC Make: Shimadzu
8	HP-TLC
9	GC-MS with Head Space
10	LCMS
11	Spray Dryer
12	Supercritical Fluid Extraction (SCFE) Facility (Laboratory Scale)
13	Supercritical Fluid Extraction (SCFE) Facility (Pilot Scale)
14	HR-TEM
15	Variable Pressure Scanning Electron Microscope (SEM) Hitachi S3400N
16	Atomic Force Microscope-Veeco Bioscope II Life Science (with IOM Nikon TE2000)
17	Confocal Laser Scanning Microscope FV 1000 SPD
18	Real Time In Vivo Optical Imaging (Biospace Measures, France)
19	Research Grade Rheometer, Bohlin C-V0R150
20	Vir Tis Advantage Freeze Dryer, 2.0 EL-85
21	High Pressure Homogenizer Emulsiflex C-3
22	Zeta Sizer
23	Semi Preparative HPLC
24	Preparative HPLC
25	Automated flash purification system
26	Size Exclusion Chromatography
27	Freeze Dryer
28	Flow Cytometer
29	Ultra Centrifuge (Refrigerated)

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH
SECTOR 67, PHASE X, S.A.S. NAGAR - 160 062
PHONE: 0172- 2214682-87, FAX: 0172-2214692, Web: www.niper.gov.in

NIPER Instruments Sample Analysis Charges
w. e. f. October 7, 2014

S. No	Instrument Experiments	Type of Experiments	Proposed Charges for Industry / private institutes.
01	NMR SPECTROMETER Make: JEOL Model: ECA500 MHz	¹ H, ¹³ C, ¹⁵ N, ³¹ P, (With solvent CDCl ₃) D ₂ O Exchange etc.	Rs. 2300 per Spectrum or Rs. 2500 per hour of instrument time whichever is more
		1-D Normal Spectrum ¹ H, ¹³ C, ¹⁵ N, ³¹ P, (With DMSO-d ₆ , CD ₃ OD & others deutrated solvents)	Rs. 2500 per Spectrum or Rs. 2500 per hour of instrument time whichever is more
		1-D Normal Spectrum	
		2-D COSY, HMQC or others using Gradient	Rs. 4000 per Spectrum or Rs. 4000 per hour of instrument time whichever is more
		2-D Correlation Spectrum (COSY, NOESY, ROESY, TOCSY etc.)	Rs. 3000 per Spectrum or Rs. 2500 per hour of instrument time whichever is more
02	LC-NMR- SHIMADZU-JEOL 500 MHz	DEPT 45, DEPT 90 & DEPT 135 (Combined)	Rs. 4000 per Spectrum or Rs. 2500 per hour of instrument time whichever is more.
		LC-NMR	Rs. 15000 per sample for first peak and Rs. 3000 for additional peak for up to 1 hour run time. Rs. 2500 per hour for extra instrument time, and other additional if usage of deutrated solvents.
03	LC/MS MicroTOF Make: Bruker (Unless indicated by client, initial analysis will be done in +ESI mode. If subsequent analysis is required in other modes, the indicated cost will be charges	MS through direct injection	Rs. 2500/- per sample
		MS/MS through direct injection	Rs. 4000/- per sample
		LC/MS (Buffer-free method to be provided; column also may be needed for rapid reproducibility)	Rs. 4000/- per sample or Rs. 3000 per hour of instrument time (whichever is more).
		LC/MS/TOF Accurate Mass	Rs. 5000 per sample for the first peak and Rs. 1500 for an

for each subsequent injection)		Analysis (Buffer –free method to be provided)	additional peak. Rs. 1500 for each additional injection.
04	LCMS ⁿ Make: Thermo Model: LITQ-XL	Method development	Rs. 2000 per injection or Rs. 4000 per hour.
		Direct Injection Mass	Rs. 2000 per Sample
		Direct Injection/MS-MS (n=1)	Rs. 3000 per sample
		Direct Injection/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
		Extraction	Rs. 1500 per solvent
05	Accelerated Solvent Extraction (ASE)	RBG Bottle 500 ml / 1000 ml	Rs. 1000 per sample up to 100ml / 24 hr.
06	FREEZE DRYER (Lyophilizer)	Analytical Qualitative	Rs. 1500 per Sample or
07	HPLC Make: Shimadzu	Analytical Quantitative	Rs. 2000 per Sample
		Using Conductive/Pulse detectors	Rs. 2500 per Sample or
		Analytical Qualitative	Rs. 1500 per hour of instrument time whichever is more
		Using ELSD detectors	Rs. 2500 per Sample or
		Analytical Quantitative	Rs. 1500 per hour of instrument time whichever is more
		Using Specialized Columns (a) Size exclusion analysis (b) Carbohydrate analysis	Rs. 3000 per Sample Rs. 3000 per Sample

		HPLC Method Development	Rs. 2500 per hour of instrument time
		Method Development	
08	HP-TLC	Analytical Qualitative	Rs. 2500 per Sample
		Analytical Quantitative	Rs. 2500 per Sample or Rs. 2500 per hour of instrument time whichever is more
		Standard Curve Single compound for Quantitative Analysis (Method to be provided)	Rs. 5000 with 5 point curve
09	GC-MS with Head Space	Analytical Qualitative	Rs. 2000 per Sample
		Analytical Quantitative	Rs. 2000 per Sample
		Method Development	Rs. 2000 per hour of instrument time
		Standard Curve Single compound for Quantitative Analysis (Method to be provided)	Rs. 5000 with 5 point curve
		Library Search	Rs. 300 per peak
10	LCMS	Direct Injection Mass	Rs. 2000 per Sample
		LCMS (Method to be Provided)	Rs. 4000 per Sample
		Method Development	Rs. 5000 per hour
		Standard Curve Single compound for Quantitative Analysis (Method to be provided)	Rs. 5000 with 5 point curve
11	Spray Dryer	Aqueous sample	Rs. 2000 per hour of instrument time
		Method Development	Rs. 2000 per hour of instrument time
12	Supercritical Fluid Extraction (SCFE) Facility	Lab Scale	Rs. 4000 per sample or per hour of instrument time whichever is more
13	Supercritical Fluid Extraction (SCFE) Facility	Pilot Scale	Rs. 8000 per sample or per hour of instrument time whichever is more

14	HR-TEM	Instrumentation Charges per hour of scanning and digital TEM images (on CD provided by user)	Rs. 4000 per sample or Rs. 4000 per hour of instrument time whichever is more
15	Variable Pressure Scanning Electron Microscope (SEM) Hitachi S3400N Resolution: SE Image-3 nm at 30 KV in High Vacuum mode; 10 nm at 3 KV in High Vacuum mode; BSE Image 4 nm at 30 KV in variable pressure mode. Detectors: Secondary Electron Detector; High sensitivity 5 Quadrant Semiconductor type; Back Scattered Electron Detector (BSED); Environmental Secondary Electron Detector; Thermo EDS System Free X-ray Super Dry Si (Li) Detector II with Light window for elemental analysis from Be/B to Uranium. Deben Cooling stage (-25 to +50 °C); Critical point drier available; Application areas: Biology, Geology, Metallurgy, Material Science. Sample nature for analysis: Liquid, solid, tissues, cells etc. CPD (Critical Point Drying)	EDS Analysis	Rs. 1000 per scan
		STEM Imaging	Rs. 1000 per snap
		Ultra microtome	Rs. 1000 per block (5 sections on the grid without staining)
		Carbon/formvar coated grids	Rs. 1000 per grid
		Per sample Imaging (normal) using carbon or gold coating	Rs. 2500
		Per sample Imaging (Using cooling stage)	Rs. 4000
16	Atomic Force Microscope- Veeco	Elemental analysis by EDS per sample	Rs. 2500
		CPD Per sample	Rs. 500
			Rs. 3500 * Per Sample Imaging (up to 3 images or 3 Scans)

<p>Bioscope II Life Science (with IOM Nikon TE2000)</p> <p>Control Station: Nanoscope V Imaging: Tapping, contact and force modulation in air and fluid Motorized Precision Stage</p> <p>Biol II-Cell Biopack: Heated sample stage for ambient to 60 °C temperature control and compatible with microscope slides (25x75 mm), cover slips (25x25 mm) and 60 mm plastic Petri dishes</p> <p>Application areas: Biology, Geology, Metallurgy, Material Science. Sample nature for analysis: Liquid, solid, tissues, cells etc.</p>		<p>Rs. 1000 each additional scan</p> <p>*These are the minimum charges per sample. Depending on the nature of sample and number of cantilevers utilized. User has to furnish information for analysis such as nature of sample, mode of analysis, type of cantilever to be used etc.</p>
<p>17</p> <p>Confocal Laser Scanning Microscope FV 1000 SPD</p> <p>Controlled Environment Cell Growth Chamber for live cell imaging Spectral Fluorescent detector; Transmitted Light detector (Multi Ar laser 458, 488 & 515 nm), 543 nm HeNe (230 V), 633 HeNe (230V) FRET and FRAP, Colocalization analysis, spectral mixing, 3D reconstructions</p>	<p>Per Sample (Live Cell Imaging):</p> <p>Fixed samples/Cells</p>	<p>Rs. 4000 per sample per hour.</p> <p>Rs. 2000 per slide/sample</p>
<p>18</p> <p>Real Time In Vivo Optical Imaging (Biospace Measures, France)</p> <p>Modes: Luminescence, Fluorescence Rats and Mice available at NIPER. Before sending the samples, please get in touch</p>	<p>Per animal/Single image acquisition</p> <p>Continuous imaging</p>	<p>Rs. 4000</p> <p>Rs. 6000 per hour</p>

	with the undersigned.		
19	Research Grade Rheometer, Bohlin C-V0R150		Rs. 1000 per sample
20	Vir Tis Advantage Freeze Dryer, 2.0 EL-85		Rs. 1000 per sample up to 100ml/24hr or Rs. 1000 per hour of instrument time whichever is more
21	High Pressure Homogenizer Emulsiflex C-3		Rs. 1000 per Sample
22	Zeta Sizer	Particle size Zeta Potential	Rs. 1000 per Sample Rs. 1000 per Sample
23	Semi Preparative HPLC	Method and Solvents to be provided by user	Rs. 4000 per hour of instrument time
24	Preparative HPLC	Method and Solvents to be provided by user	Rs. 5000 per hour of instrument time
25	Automated flash purification system	Method and Solvents to be provided by user	Rs. 3000 per hour of instrument time
26	Size Exclusion Chromatography		Rs. 3000 per hour of instrument time
27	Freeze Dryer		Rs. 1000 per sample up to 100ml/24hr or Rs. 1000 hour of instrument time whichever is more
28	Flow Cytometer		Rs. 3000 per hour of instrument time
29	ULTRA CENTRIFUGE (Refrigerated)	Fixed Angle Rotor without Tubes Fixed Angle Rotor with Tubes Swing Bucket without Tubes Swing Bucket with Tubes	Rs. 1500 per hr. Rs. 2000 per hr. Rs. 1500 per hr. Rs. 2000 per hr.

Sample Submission Procedure

1	Submit samples for each instrument separately with proper sample code, name of instrument, analysis required and quantity of sample in the eppendorf tubes (Capacity: 1.5 mL). Please ensure to provide only required sample quantities as specified on the requisition forms.
2	Please add service tax @ 12.36% in the above rate list.
3	Please add courier charges of Rs. 100.
4	Please add 25% in the above rate list for the 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. The samples needs to be processed through SME Centre, Block G, NIPER, Sector 67, Mohali, Email: snpic@niper.ac.in and Phone No: 172-2292032.
8	The samples will be analyzed within 10 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 10 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 shall 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 the NIPER website.

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>The payments will be accepted vide DD payable in favor of Director, NIPER payable at Chandigarh/Mohali.</i>	
14	<i>In case of concession charges, request letter should be on original institute/university letter head signed and stamped by the Head of Department 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. <u>No photo copy, scan copy, email copy or pen drive copy of letter head will be accepted.</u></i>	
15	<i>No sample will be analyzed without advance payment.</i>	
16	<i>Interested parties may open an account with the institute by sending advance payment vide DD payable in favor of Director, NIPER payable at Chandigarh/Mohali.</i>	
17	<i>The sample name / batch no / required analysis should be clearly mentioned on request letter and requisition form.</i>	
18	<i>Samples submitted in violation of submission procedure will not be entertained.</i>	
19	<i>Email address for communication with CIL will be "cil@niper.ac.in"</i>	
20	<i>Phone numbers for communication will be +91 172 2292019 & +91 172 2292015</i>	
21	<i>Address for sample dispatch</i>	<i>Address for correspondence</i>
	<i>Mr. Vikas Grover, Room No 106, A - Block, NIPER, Sector 67, Mohali - 160062</i>	<i>Director NIPER, Sector 67, Mohali - 160062</i>