



**PONDICHERRY UNIVERSITY
CENTRAL INSTRUMENTATION FACILITY**

**Sample Analysis Requisition Form
High Resolution Transmission Electron Microscope (HR-TEM)**



I. User Information

Date: 30/03/2022

Name: Designation:

In case of student, Roll No. & Course registered: Date of Admission:

Organization / Department & Institution:

Affiliation

Address for Communication:

Mobile Number: E-mail ID:

Special Instruction (if any):

II. Sample Information

Number of samples (In words): (In number):

Is the sample is characterized by any other techniques such as XRD, SEM, AFM, TGA etc.?

Sample code	*Nature of Sample	*Type of Analysis			
		Imaging (Max. 4 points/sample)		X-ray microanalysis (EDX) (any one at Max.4 Points/sample)	
		TEM / STEM (60 x - 1,000 kx)	Diffraction orientation	Spectrum / Line scan Mapping	Elements to be identified (B~U)
1)					
2)					
3)					
4)					

Items marked *details must be completed to carry out the measurements. Use additional sheets for any other relevant information / instruction for analysis

Certification by (Guide & HOD):- Certified that the user is a student / faculty / employee of our department and the work is meant for Teaching / Experimental / Research / Commercial purpose of our Institute / organization. The user had gone through the instructions regarding the procedures given in the website. The samples are not radioactive / harmful to persons handling them. The samples information is correct and the user will comply with CIF's rules and procedures.

Signature with date			
	User	Guide	HoD
Name			
Office Seal: (Mandatory)			

FOR CIF USE

Date Received: _____ Date completed: _____

Operator: _____ T.O in-charge: _____ Centre Head: _____

Time utilized for analysis: _____ hr. Details of payment received: _____

Remarks of the operator/TO in-charge for the data sent if by E-mail: _____

Acknowledgement from user (for direct user): Received data on completion of experiment.

Name: _____ Signature: _____ Date: _____

Note: All payments are to be made to the CIF Maintenance Account - (S.B) No. 6708021741 at the Indian Bank, Pondicherry University Branch (IFSC code: IDIB000P152, Pondicherry -605014, after the completion of analysis. (Continued 2/-)

Sample details:

1. Sample is Magnetic Non magnetic Biological

2. If sample is powder,

Powder sample has to be dispersed in the solvent and after ultrasonication, it will be loaded/drop casted on the TEM grid. The grid has to be dried under IR lamp. The representative TEM Images will be taken for that sample.

a) Medium for dispersion :

Ethanol Methanol Water Iso-propyl alcohol

If other than the above mentioned solvent then please mention :

Please specify for any other procedure:

3. Sample other than Powder should be prepared by the user. (Ultra-microtomy, Ion Milling, polishing etc.)

Usage Charges :

- A. Internal Users (Pondicherry University) : Rs. 1000/- Per hour / sample (including grid)
- B. External Users (College/ University) : Rs. 3000/- per hour/ sample (including grid)
- C. External Users (Industry) : Rs. 9000/- per hour/ sample (including grid)

User Acknowledgement:

Data received in CD - It is agreed that the content of this report is meant for our information only and we will not use the content of this report for advertisement, evidence, litigation or quote as certificate to third party.

Important Instructions to Users

- a) Magnetic samples or samples which are not high vacuum compatible cannot be analyzed by HRTEM.
- b) Slot will be given as per queue at the time of submitting requisition format.
- c) Please bring the basic analysis details of the sample like XRD, SEM etc.
- d) Please provide a new CD for collecting your data. Memory stick not accepted due to VIRUS problems.
- e) Kindly send the publication reference (Journal name/volume number/names of the authors / date of issue of the publication etc), to Central Instrumentation Facility, Pondicherry University for reference & records. Details can be sent through e-mail to cif.ponuni@gmail.com.

Contact details

For booking slots : HRTEM Lab. Staff : Mr. Abinash Parida / Mr. R. Elumalai (Ph:0413-2654756)

For clarifications : Dr. P. Thangadurai (Centre for Nano Science & Technology) or

Dr. A. Murali (Centre for Bio-informatics)