

SOPHISTICATED ANALYTICAL INSTRUMENTATION FACILITY (DST)

Department of Anatomy, All India Institute of Medical Sciences

New Delhi - 110 029 (Tel. 26593344; 26593568)

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PROFORMA FOR INTERNAL USERS

Requisition Form for

SEM	TEM
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R-EM	I-EM
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Requisition No. _____

- a. Name, Designation & Address of Chief Investigator with Telephone Number and **Email ID** _____

- b. Name & Designation of user with Telephone Number and **Email ID** _____

- c. Name of the Specimen/Tissue _____ from Animal/Plant/Human
- d. Name of the fixative used _____ duration _____ Orientation required
- e. Number of specimen to be processed for the proposed thesis/research work. Total _____ Current _____
- f. SAIF will be used for doing:
i) Project research work () ii) Thesis work () (iii) Diagnostic work ()
- g. Name of the Project or Title of the proposed Thesis/Dissertation work and Date of completion _____

- h. Name of the Funding Agency (in case of funded Project) _____

- i. Name of the Faculty of E.M. Facility associated with the proposed E.M. work _____
- j. **UNDERTAKING:** Please give details of previous publications, if any, emerging out of the work carried out at the SAIF by your group. The chief investigator is requested to certify that he/she will provide information on publications in due course as a mandatory DST requirement.

Signature of Officer-in-Charge
SAIF - AIIMS

Signature of Chief Investigator
Date & Official stamp

Note: Ideally, perfusion fixation of tissue for EM should be done. In case of immersion fixation, minimal time should elapse between animal sacrifice/biopsy & fixation. Tissues should be cut into 1 X 1 mm thick pieces & fixed in 2.5% glutaraldehyde & 2% paraformaldehyde (PF), in 0.1 M phosphate buffer (pH 7.4) for 6-12 hr (depending on tissue type) at 4°C. For immuno-electron microscopy, samples must be fixed in 0.8% glutaraldehyde & 4% PF for 4 to 8 hrs. The fixed specimen should be transported in phosphate buffer.

A maximum of 20 samples per performa will be accepted. Samples will be received between 11.00 A.M. - 01.00 P.M. Booking for E.M. viewing will be done at the time of depositing the samples. Telephonic booking has to be confirmed by email.

Due acknowledgement be given to SAIF, AIIMS, in the research publication emerging out of the work carried out at this Facility.

FOR OFFICIAL USE ONLY

Requisition No. _____

Date _____

A. Work Report : TEM

S.No.	Sample received		Blocks prepared		LM Slide		Grids prepared		Grids stained/ Immunolabelled/ Negative stained on	
	Date	No.	Date	No.	Date	No.	Date	No.	Date	No.
1.										
2.										

B. Work Report : SEM

S.No.	Sample received		Specimen prepared (upto dehydration)		CPD		Coating prepared		Image Analysis/EDS	
	Date	No.	Date	No.	Date	No.	Date	No.	Date	No.
1.										
2.										

C. Allotment of time : TEM/SEM (HV/LV)

S.No.	Date	Register Ref.	Hours.	No. of Images	Technical Support
1.					
2.					
3.					
4.					
5.					

D. Notional Billing Charges

S.No.	Work done	Rate	Number	Amount in Rs.
1.	Specimen preparation			
2.	E.M. Viewing time			
3.	Image recording			
4.	EDAX/ IEM / Image Analysis			

TOTAL:

Date _____

Officer-in-Charge
SAIF, New Delhi

Technical Staff-in-Charge
SAIF, New Delhi