

University Science Instrumentation Centre (USIC)

University of Delhi, Delhi-110007

Date _____

Requisition form for using the facility of Single Crystal X-ray Diffractometer (SCXRD)

1. Name of the Scholar _____
2. Name of the Supervisor _____
3. Measurement instructions for the operator:
 - Are your crystals ready? _____
 - Specify the Crystal Lattice _____
 - Lattice value (Please Tick) Do not Know <1000 <100,000 >100,000
 - Specify the Crystal name / Code _____
 - Specify the Expected chemical formula _____
 - Specify whether Small Molecule / Protein _____
 - Sample Diameter (mm) please tick Do no Know <0.10 0.1to 0.4 >0.4
4. Number of samples One sample per application for the full-experiment
 - Keep a few crystals handy, because in case they are not prepared well and the Pre-experiment fails, then other crystals of the same batch can be mounted and tried on the same day. Use this microscope in the lab to select a few good crystals of appropriate size in advance.
 - USER should be always ready with his samples in advance prior to the day booked for his measurements
 - We request on sample for full-experiment per application, because measurement time is long.
 - All beginners must try to learn how to prepare / select their crystals for measurements, and mount them.

Instruction

- i) User must report at the SCXRD lab by 9.30 AM on the appointed day for his / her measurements
- ii) The operator will help you to mount your samples and start the pre-experiment.
- iii) On the Tentative booking data given below, the user should be present during the measurements and collect the data on their CD at the end of the measurement. Pen drives will not be allowed.

For USIC office Use only

Application No. _____ Instrument booked ___ SCXRD _____

Tentative booking schedule for the measurements Date _____ Time _____

Signature of Student /	_____	Signature	_____
Scholar		of the Supervisor	
Course	_____	Department	
Contact Number	_____	(with Seal)	_____

Signature _____

Director, USIC