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Requisition form for using the facility at CIF: Single Crystal X-ray Diffractometer (SCXRD)

2) User details:

Date:

User's Name

User's Tel. No. (mobile)

Supervisor's signature
(with seal)

Name & Department:

3) Measurement instructions for the operator:

- i) Are your crystals ready?
- ii) Specify the Crystal Lattice
- iii) Lattice value (Please Tick) Do not know <1000 <100,000 >100,000
- iii) Specify the Crystal name/code
- iv) Specify the Expected chemical formula
- v) Specify whether Small molecule/Protein
- vi) Sample Diameter (mm) (Please Tick) Do no know <0.10 0.1 to 0.4 >0.4

4) No. 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 the 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 one 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.

Instructions for the users

- i) User must report at the SCXRD lab by 9:30 AM on the appointed day for his measurements.
- ii) The operator will help you to mount your samples and start the pre-experiment.
- iii) On the Tentative booking date 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 +++++ Cut here and give it to the USER ++++++

- a) Application No. ----- Instrument booked ...SCXRD.....
- b) User name/Dept. -----
- c) Tentative Booking schedule for your measurements Date ----- Time -----

SCXRD Engineer - USIC, Initials & Date.