



The Islamia University of Bahawalpur
Materials Chemistry Laboratory (MCL)
Institute of Chemistry
<http://mcl.iub.edu.pk/>



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| Experiment / Activity | Results / Data | Charges per sample (Rs.) |
|-------------------------------------|--|--------------------------|
| Single Crystal XRD | Fast scan (For crystal screening) | 5,000 |
| | Full Data Collection (Standard, Ambient) | 25,000 |
| | Full Data Collection (Cryo) | 40,000 |
| | Full Data Collection (Proteins) | 50,000 |
| Powder XRD | Data Collection (Standard) | 5000 |
| | Data Collection (High Temp.) | 10000 |
| Thermal analysis | Scan from ambient to 500°C | 16000 |
| | Scan from 500°C to 1000°C | 20000 |
| Fluorescence Studies | Data Collection | 3000 |
| Database search (per upto one hour) | Search for studied structures in database/profile matching | 1000 |
| Microscopy and imaging | Per hour usage | 1000 |
| Computational resources | Per hour Usage | 1000 |

1. A fast scan analysis from single crystal XRD is only meant for crystal screening. The data is generally not publishable but usually enough to know the structure skeleton. The crystal must of good quality and not less than 0.1 mm in size.
2. The Single Crystal XRD data will be provided as integrated intensities (hkl) along with .ins file. For any further help in data analysis/publishing , may contact at maqsood.ahmed@iub.edu.pk
3. For Powder XRD, sample should be provided as finely ground powder (0.5-1 gram). The data will be provided as .raw/ text file.
4. The data for TGA/DSC and Fluoresce analysis are provided as standard text files.
5. All kind of data is provided via online user portal and can be downloaded by logging-in to the portal.