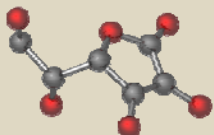


X-ray
Diffraction
Laboratory
Department of
Chemistry
Texas A & M
University

Mission

The purpose of our laboratory is to provide X-ray diffraction analysis to the Texas A & M University system and to educate our students in the science of Crystallography. Our main focus is to determine molecular structure from single-crystal samples, to determine shape and size by small angle X-ray scattering and to perform high resolution X-ray powder diffraction. We provide services to outside users.



We are a full service facility, able to determine the three dimensional structure of molecules and solids, from single crystal samples. We can determine various structural types from small inorganic solids to small macromolecules.

Our Services

- Single Crystal Diffractometry
- Wide Angle Diffractometry
- High Resolution Diffractometry
- 2D Powder Diffractometry
- Small Angle X-ray Scattering
- Structure solution single crystal and powder materials
- Qualitative and quantitative phase analysis
- Micro Powder Diffraction
- Ultra-low temperature (~30K)
- Absolute Stereochemistry Configuration

X-ray Diffraction Laboratory
Department of Chemistry
3255 TAMU
College Station, TX 77843-3255

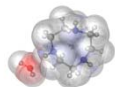
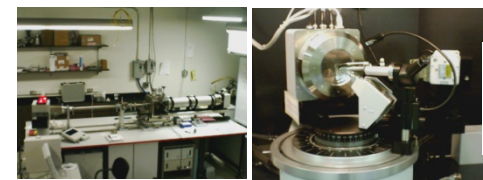
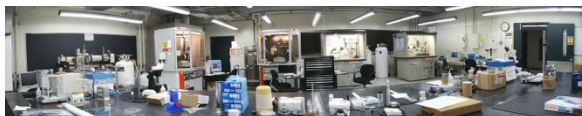
X-ray Diffraction Laboratory



TEXAS A&M
UNIVERSITY



X-ray Diffraction Laboratory
Department of Chemistry
Texas A & M University
College Station, Texas
Phone : 979-845-9125
www.chem.tamu.edu/xray
xray@tamu.edu



X-ray Diffraction Laboratory

The X-ray Diffraction Laboratory at Texas A & M University is located in the Chemistry Department rooms 2407-2409 and 1424.

We operate and maintain ten X-ray instruments and our staff consists of trained scientists, who are experts in their fields.

Contact us at

Department of Chemistry
Texas A & M University
College Station, Texas
Phone : 979-845-9125
www.chem.tamu.edu/xray
xray@tamu.edu

Instrumentation

- Bragg/Brentano Powder Diffractometer
- High-Resolution Powder Diffractometer
- GADDS/MWPC 3-circle Diffractometer
- 2 SMART1000 CCD single-crystal Diffractometers
- 3 APEXii CCD single-crystal Diffractometers
- High-volume RAG/NANOSTAR SAXS instrument
- Sealed-tube NANOSTAR SAXS instrument

Personal

Two full time dedicated (Ph.D.) instrument specialist.

The X-ray Diffraction Laboratory is equipped to handle all of your structural needs. We comply with all FDA Good Laboratory Practices and our work is completely confidential.

Our specialists are trained in industrial techniques. Our X-ray laboratory is one of the best equipped and maintained facilities in the world and we are ready to accept your samples.

