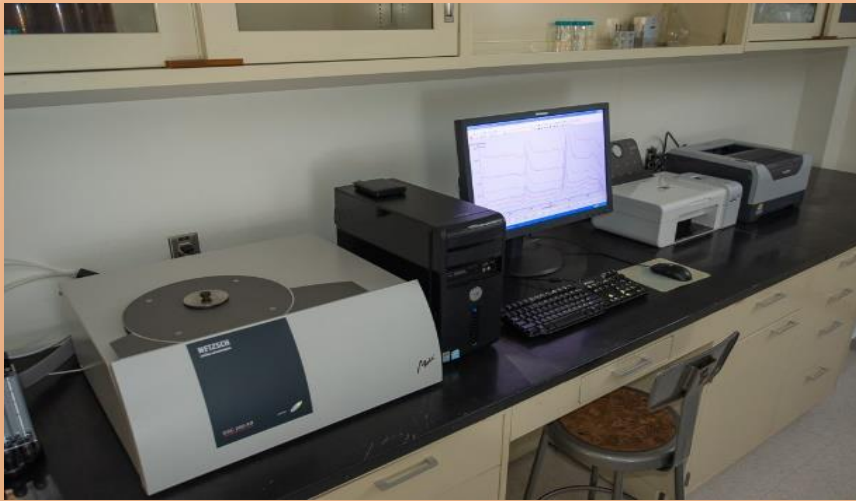


## CLA Chemistry Lab

The CLA chemistry laboratory is well equipped and contains two chemistry fume hoods, refrigerators, micro-balances, programmable hotplates/stirrers, a temperature-controlled water bath, an ultrasonic cleaner, and various oven including an MTIOV-D2F-6020 vacuum oven. The laboratory also has special equipment for the preparation of samples including a Braun Labmaster SP glovebox with an MTI OTF-1200X furnace attached and a SPEX Sample Prep 800 mixer/mill. There is also a Thermogravimetric Analysis System (TGA), an Inductively Coupled Plasma Spectrometer (ICP), a Differential Scanning Calorimeter, an iron chromatograph, a spectrometer, microscopes, balances, a calorimeter, and a separate area to do water quality analysis, a DI water system, glassware and expendables for analysis, eye wash stations, a chemical storage area and plenty of bench tops for working areas.



### NETZSCH DSC 200-f3 Differential Scanning Calorimeter

Measures energy required to heat a sample versus a reference

Can identify; melting points, crystallization, and glass transition temperatures.



### Braun Labmaster SP Glovebox

Inert argon gas environment to protect chemicals

Low levels of oxygen and water vapor

Attached tube furnace for melting glass