

Instrument Rates

Submission (BU and non-BU)	
Applied Photophysics Chirascan CD	\$ 30
Jobin Yvon Horiba Fluoro- Max 3 Fluorimeter	\$ 30
HP 1090 HPLC with Fluores- cence	\$ 30
Nicolet Nexus 670 FT-IR	\$ 30
Rudolph Research Autopol III Polarimeter	\$ 30 / sample
Varian AA240Z Graphite Furnace Atomic Absorption	\$ 40
Varian Cary 100 Bio UV-Vis	\$ 30
Open Access (BU only)	
Applied Photophysics Chirascan CD	\$ 5
Jobin Yvon Horiba Fluoro- Max 3 Fluorimeter	\$ 5
HP 1090 HPLC with Fluores- cence	\$ 3
Nicolet Nexus 670 FT-IR	\$ 5
Rudolph Research Autopol III Polarimeter	\$ 3
Varian AA240Z Graphite Furnace Atomic Absorption	\$ 5
Varian Cary 100 Bio UV-Vis	\$ 5

Rates are per hour unless otherwise noted.

More Instrumentation

Coming soon

- LT Fluorescence— May, 2013

Planned

- Chemisorption
- SEM/AFM
- Raman Spectroscopy



Department
of Chemistry



Chemical Instrumentation Center Analytical & Optical Instrumentation

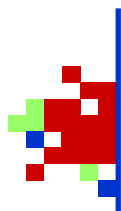
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Analytical and Optical Instrumentation



Applied Photophysics CS/2 Chirscan

This CD is a state-of-the-art circular dichroism (CD) spectrometer with micro-titrator, Peltier temperature controller, ORD and fluorescence capability, and stop-flow attachment.



Jobin Yvon Horiba FluoroMax 3 Fluorimeter

This spectrofluorimeter is a research grade bench-top system featuring 2500:1 water Raman signal to noise ratio and 200 nm/sec fast scanning capability. Components include Xenon Arc Lamp, excitation and emission monochromator, emission and reference detector and sample



HP 1090 HPLC with Fluorescence

This HPLC system is equipped with a 2mL 100-sample autosampler, a three solvent system and a heated oven compartment. UV-Vis and/or fluorescence detectors are available for peak detection.



Mettler Toledo Polymer DSC R

This differential scanning calorimeter is a research grade DSC with a 34-sample position robot for high sample throughput. It has a wide temperature range — from -150C to 700C in one measurement — and it is suited for microgram or inhomogeneous samples.



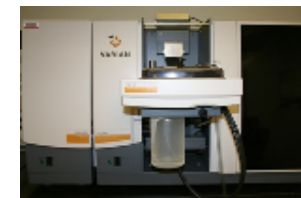
Thermo Nicolet Nexus 670 FT-IR

The Nicolet Nexus 670 FT-IR is a high end optical bench top system with 0.09cm⁻¹ resolution and continuous dynamic alignment. This unit allows AutoTune and automated continuously variable aperture adjustment. A horizontal attenuated total reflectance (HATR) accessory is also available which allows simplified operation and analysis of samples both in the solid and liquid forms.



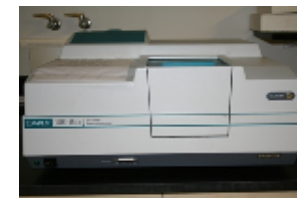
Rudolph Research Autopol III Polarimeter

The Rudolph Research Autopol III Polarimeter is a small bench-top polarimeter suited both for routine analysis and research. This instrument allows simple operation and accurate measurement.



Varian AA240Z Atomic Absorption

The Varian AA240Z Atomic Absorption features a dedicated furnace with Zeeman background correction which enhances graphite furnace system performance over the full wavelength range. The Constant Temperature Zone furnace design allows analysis at ppb levels with Varian's high intensity UltrAA lamps.



Varian Cary 100 Bio UV-Vis

The Varian Cary 100 Bio UV-Vis spectrophotometer is an instrument for routine UV-Vis analysis. It has quartz overcoating, sealed optics, variable slits and a large sample compartment. The software is Cary WinUV which features a modular design.

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