**[SCHOOL OF CHEMISTRY AND MATERIALS SCIENCE](https://www.rit.edu/science/scms)**

**Chemical Analysis Laboratory**



**Services**

\* Discounts may apply for 10 or more samples.

\*\* Additional charges may apply for extensive sample preparation or data interpretation. Please call for a quote.

| **Instrument** | **Model** | **Cost Per Sample\*** | **Other Associated Costs\*\*** |
| --- | --- | --- | --- |
| Atomic Absorption | * Perkin-Elmer Aanalyst 800 with Graphite Furnace * Perkin-Elmer Aanalyst 100 | $50 | $5 per element sample |
| Fluorimeter | * Horiba Jobin Yvon Fluoromax-4 * Perkin-Elmer LS-55 | $50 |  |
| Infrared Spectrophotometers | * Biorad Excalibur with ATR and Diffuse Reflectance Capabilities * Shimadzu IR Prestige-21 with ATR/li> | $50 |  |
| HPLC | * HP 1100 with UV-VIS, Diode Array, RI Detection, and GPC Capabilities * Shimadzu Prominence with UV-VIS Detector | $75 |  |
| NMR | * Bruker Avance III 500 capable of measuring carbon, hydrogen, and fluorine * Bruker Avance DRX 300 capable of measuring carbon, hydrogen, and fluorine. Note: Other Nuclei with spin can also be determined. Call for a quote. | $75 |  |
| UV-VIS | * HP 8543 Diode Array * PerkinElmer Lamda 25 * Shimadzu UV-2501PC – High Resolution * HP 8453 Diode Array | $50 |  |
| DSC | * TA 2010 with cold temperature capabilities * PerkinElmer Diamond with cold temperature capabilities | $70 |  |
| TGA | * TA 2050 * TA Q500 | $70 |  |
| DMA | * Seiko DMS110 with cold temperature capabilities * Perkin Elmer DMA 8000 * Seiko DMS200 with cold temperature capabilities | $80 |  |
| GC-MS | * HP 6890/5973 GC/MS | $80 |  |
| Rheometry | * TA AR 2000 Rheometer | $75 |  |
| LC/MS/MS | * Applied Biosystems Q Trap | $80 |  |
| Melt Flow | * Tinius Olsen MF Index | $75 |  |