

**DEPARTMENT OF CHEMICAL & PETROLEUM ENGINEERING**  
**Research Instrumentation & Technical Support (RITS) Laboratory**  
Instrument Fee Schedule – Internal UCalgary Users  
July 2025 – June 2026

To access these instruments and lab services, please contact:

**RITS Laboratory Staff:** [cpe.rits@ucalgary.ca](mailto:cpe.rits@ucalgary.ca)

**Website:** <https://schulich.ucalgary.ca/chemical-petroleum/research/research-facilities/rits>

Category	Technique	Instrument Model	Rate (\$) <sup>1,2</sup>		Unit
			Academic	Industry	
<b>Electron Microscopy</b>	Benchtop Scanning Electron Microscopy (SEM)	Phenom XPro	100	150	hour
<b>Chemical Analysis</b>	Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)	Thermo Scientific iCAP 7200	40	60	hour
	High Performance Liquid Chromatography (HPLC)	Agilent 1260 Infinity	70	105	hour
	UV-Vis Spectrometry	Shimadzu UV-Vis 2600	65	97	hour
	Raman Spectroscopy	WITec Alpha300M+	65	97	hour
<b>Thermal &amp; Physical Analysis</b>	Thermogravimetric Analysis (TGA)	Discovery TGA 550	40	60	hour
	BET Surface Area	Micromeritics TriStar II 3020	60	90	sample
	4-Point Probe Conductivity	Loresta	60	90	hour
<b>Particle Analysis</b>	Laser Diffraction Particle Size Analyzer (PSA)	Malvern Mastersizer 3000	70	105	hour
	Dynamic Light Scattering (DLS) & Zeta Potential	Malvern Zetasizer Nano ZS	70	105	hour
<b>X-ray</b>	Powder X-ray Diffraction (XRD)	Rigaku Miniflex 600 C	70	105	hour
	X-ray Fluorescence Microscope (uXRF)	HORIBA XGT-9000	60	90	hour
<b>Staff</b>	Additional Technical Assistance		50	75	hour

**Notes:**

1. Minimum charge 30 minutes
2. Additional 45% university overhead is applicable to all external academic and industry client services
3. Some basic consumables will be supplied
4. Specialist consumables (e.g. new ICP standards) may be charged or supplied by user
5. Users are responsible for disposal of waste chemicals and samples after analysis is complete
6. All rates subject to GST