

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

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

Category	Technique	Instrument Model	Rate (\$)¹		Unit
			Self-Access	Staff-Run	
Electron Microscopy	Benchtop Scanning Electron Microscopy (SEM)	Phenom XPro	50	100	hour
Chemical Analysis	Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)	Thermo Scientific iCAP 7200	N/A²	40	hour
	High Performance Liquid Chromatography (HPLC)	Agilent 1260 Infinity	20	70	hour
	UV-Vis Spectrometry	Shimadzu UV-Vis 2600	15	65	hour
	Raman Spectroscopy	WITec Alpha300M+	N/A²	65	hour
Thermal & Physical Analysis	Thermogravimetric Analysis (TGA)	Discovery TGA 550	N/A²	20	hour
	BET Surface Area	Micromeritics TriStar II 3020	N/A²	60	sample
	4-Point Probe Conductivity	Loresta	10	60	hour
Particle Analysis	Laser Diffraction Particle Size Analyzer (PSA)	Malvern Mastersizer 3000	20	70	hour
	Dynamic Light Scattering (DLS) & Zeta Potential	Malvern Zetasizer Nano ZS	20	70	hour
X-ray	Powder X-ray Diffraction (XRD)	Rigaku Miniflex 600 C	20	70	hour
	X-ray Fluorescence Microscope (uXRF)	HORIBA XGT-9000	N/A²	60	hour
Sample Preparation	High Capacity Centrifuge	Beckman Coulter J26S-XP	10	60	hour
	Benchtop Centrifuge	Thermo Scientific X Pro Series	5	55	hour
Category	Item		Rate (\$)¹		Unit
Staff	User Training		50		hour
	Technician Labor/Technical Assistance		50		hour
Consumables	Zetasizer Cell		50		each

Notes:

1. Minimum charge 30 minutes
2. Staff-only instrument; not available for user training and self-access

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