

DEPARTMENT OF CHEMICAL & PETROLEUM ENGINEERING

Research Instrumentation & Technical Support (RITS)

Instrument Fee Schedule, August 2024

To access these instruments and lab services, please contact:

RITS Laboratory Technician: cpe.rits@ucalgary.ca

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

Category	Technique	Instrument Model:	Hourly Rate (\$/hr)	
			Internal	External
Service	Technician Labor		55	110
Electron Microscopy	Scanning Electron Microscopy (SEM)	Phenom XPro	50	100
Chemical Analysis	Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)	Thermo Scientific iCAP 7200	20	40
	High Performance Liquid Chromatography (HPLC)	Agilent 1260 Infinity	25	50
	UV-Vis Spectrometry	Shimadzu UV-Vis 2600	20	40
Thermal & Physical Analysis	Thermogravimetric Analysis (TGA)	Mettler Toledo TGA/DSC 3+	30	60
	Differential Scanning Calorimetry (DSC)	Mettler Toledo TGA/DSC 3+	30	60
	BET Surface Area	Micromeritics TriStar II 3020	20	40
	He Pycnometer	Micromeritics AccuPyc II 1340	10	20
Particle Analysis	Laser Diffraction Particle Size Analyzer (PSA)	Malvern Mastersizer 3000	20	40
	Dynamic Light Scattering (DLS)	Malvern Zetasizer Nano ZS	20	40
	Particle Tracking Analysis	NanoSight NS300	10	20
Sample Preparation	High Capacity Centrifuge	Beckman Coulter J26S-XP	15	30

Notes:

- Minimum charge 30 minutes
- Some basic consumables will be supplied
- Specialist consumables (e.g. new ICP standards) may be charged or supplied by user
- Users are responsible for disposal of waste chemicals and samples after analysis is complete