



Coordinated Operating Research Entities

Electron Microscopy Laboratory

Office of the Vice President for Research
& Dean of the Graduate School
University of Maine
11 Murray Hall
Orono, Maine 04469-5703
207-581-2566

Non-University of Maine System Educational Institutions & Non-Profit Service Rates (*Effective Starting September 1, 2025*)

	Service	Unit Type	Rate per Unit	Additional Information
Electron Microscopes	AMRay 1820 SEM <i>Resolution: 5 nm, Magnification range: 20 – 150,000X</i>	Hour	\$ 60.00	Self-Use Assisted Use: Includes hourly equipment charge plus Technician hourly rate, less assisted use equipment discount of \$12.00. Charges will be itemized on the invoice.
		Hour	\$ 123.00	assisted use equipment discount of \$12.00. Charges will be itemized on the invoice.
		Hour	\$ 20.00	Additional charge for iXRF EDS specimen elemental analysis
	Zeiss NVision 40 SEM <i>Resolution: 1.2 nm, Magnification range: 20 – 620,000X</i>	Hour	\$ 60.00	Self-Use
		Hour	\$ 135.00	Assisted Use: Includes hourly equipment charge plus Technician hourly rate
		Hour	\$ 20.00	Additional charge for EDAX EDS specimen elemental analysis
	FEI Technai T2 Bio TWIN <i>Resolution: 0.34 nm Magnification range: 222x – 340,000X</i>	Hour	\$ 25.00	Additional charge for Raith use. An e-beam lithography tool to use the electron beam to draw patterns on a resist: an electron sensitive film.
		Hour	\$ 85.00	Self-Use
		Hour	\$ 148.00	Assisted Use: Includes hourly equipment charge plus Technician hourly rate, less assisted use equipment discount of \$12.00. Charges will be itemized on the invoice.
Sample Preparation	Ultramicrotome	Hour	\$ 45.00	Specimen sectioning for light and electron microscopy
	Sputter Coater	Run	\$ 30.00	Metal coating for SEM
	Critical Point Dryer	Run	\$ 35.00	Biological specimen drying system for imaging
	Denton DV502 Vacuum Evaporator	Run	\$ 30.00	Metal coating for SEM and TEM specimens
	Glow Discharge	Run	\$ 30.00	Grid preparation
	Autostainer	Hour	\$ 25.00	Automated stainer for use in histology slide prep.
	Technical Assistance on Sample Prep.	Hour	\$ 75.00	Training, assistance, and sample prep by EML staff
Other Scopes	Olympus FV-1000 Confocal <i>Lasers: Ar+, HeNe (543 nm & 633 nm)</i>	Hour	\$ 45.00	Self-Use
	Various light microscopes	Hour	\$ 120.00	Assisted Use: Includes hourly equipment charge plus Technician hourly rate
	Various light microscopes	Hour	Varies	For use in the EML facility; call for pricing and availability
	Technician Time	Hour	\$ 75.00	Microscope cleaning and repair, training, sample prep, and/or other technical support not listed above

For more information or to request services, please visit: <https://umaine.ilab.agilent.com/sc/4819/core-electron-microscopy-lab-and-the-microscopy-and-image-analysis-core>

Items to Note

Pre-payments are not allowed under any circumstances. All payments must be for services rendered. Services purchased with sponsored funds must be directly allocable to the funding project.

Training costs are charged based on technician time plus machine time (see assisted usage rate for each scope), and will vary depending on the instrument used.

Facility usage fees are evaluated each fiscal year and are subject to change. For purposes related to budgeting multi-year projects, annual 5% increase in user rates should be anticipated on July 1st of each year.

