



Electron Microscopy Laboratory

Office of the Vice President for Research
 & Dean of the Graduate School
 University of Maine
 5703 Alumni Hall, Room 201
 Orono, Maine 04469-5703

Non-University of Maine System Educational Institutions & Non-Profit Service Rates (Effective Starting February 1, 2023)

	Service	Unit Type	Rate per Unit	Additional Information
Electron Microscopes	AMRay 1820 SEM	Hour	\$ 65.00	Unassisted Use
	<i>Resolution: 5 nm, Magnification range: 20 – 150,000X</i>	Hour	\$ 130.00	Use with EML Staff Assistance
		Hour	\$ 16.00	Additional charge for iXRF EDS specimen elemental analysis
	Zeiss NVision 40 SEM	Hour	\$ 80.00	Unassisted Use for SEM Imaging
	<i>Resolution: 1.2 nm, Magnification range: 20 – 620,000X</i>	Hour	\$ 145.00	Use with EML Staff Assistance (SEM Imaging)
		Hour	\$ 16.00	Additional charge for EDAX EDS specimen elemental analysis
			<i>Call for Additional Rates such as FIB, cryo transfer, and E-beam lithography</i>	
Sample Preparation	Ultramicrotome	Hour	\$ 47.00	Specimen sectioning for light and electron microscopy
	Sputter Coater	Run	\$ 32.50	Metal coating for SEM
	Critical Point Dryer	Run	\$ 32.50	Biological specimen drying system for imaging
	Denton DV502 Vacuum Evaporator	Run	\$ 32.50	Metal coating for SEM and TEM specimens
	Glow Discharge	Run	\$ 32.50	Grid preparation
	Technical Assistance on Sample Prep.	Hour	\$ 77.00	Training, assistance, and sample prep by EML staff
Other Scopes	Leica TCS SP2 Confocal	Hour	\$ 25.00	Unassisted Use
	<i>Lasers: Ar⁺, HeNe (543 nm & 633 nm)</i>	Hour	\$ 90.00	Use with EML Staff Assistance
	Olympus FV-1000 Confocal	Hour	\$ 55.00	Unassisted Use
	<i>Lasers: Ar⁺, HeNe (543 nm & 633 nm)</i>	Hour	\$ 120.00	Use with EML Staff Assistance
	Various light microscopes	Hour	\$ -	Available to use in the EML facility
	Technician Time	Hour	\$ 77.00	Microscope Cleaning / Repair and/or other technical support not listed above

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.

