



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

University of Maine System & Federal Program Service Rates (*Effective Starting September 1, 2025*)

| | Service | Unit Type | Rate per Unit | Additional Information |
|----------------------|--|-----------|---------------|---|
| Electron Microscopes | AMRay 1820 SEM <i>Resolution: 5 nm</i> <i>Magnification range: 20 – 150,000X</i> | Hour | \$ 50.00 | 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 | \$ 108.00 | assisted use equipment discount of \$12.00. Charges will be itemized on the invoice. |
| | | Hour | \$ 15.00 | Additional charge for iXRF EDS specimen elemental analysis |
| | Zeiss NVision 40 SEM <i>Resolution: 1.2 nm</i> <i>Magnification range: 20 – 620,000X</i> | Hour | \$ 50.00 | Self-Use |
| | | Hour | \$ 120.00 | Assisted Use: Includes hourly equipment charge plus Technician hourly rate |
| | | Hour | \$ 15.00 | Additional charge for EDAX EDS specimen elemental analysis |
| | FEI Technai T2 Bio TWIN <i>Resolution: 0.34 nm</i> <i>Magnification range: 22x – 340,000X</i> | Hour | \$ 20.00 | 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 | \$ 75.00 | Self-Use |
| | | Hour | \$ 133.00 | 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 | \$ 39.00 | Specimen sectioning for light and electron microscopy |
| | Sputter Coater | Run | \$ 26.00 | Metal coating for SEM |
| | Critical Point Dryer | Run | \$ 28.00 | Biological specimen drying system for imaging |
| | Denton DV502 Vacuum Evaporator | Run | \$ 26.00 | Metal coating for SEM and TEM specimens |
| | Glow Discharge | Run | \$ 26.00 | Grid preparation |
| | Autostainer | Hour | \$ 20.00 | Automated stainer for use in histology slide prep. |
| | Technical Assistance on Sample Prep. | Hour | \$ 70.00 | Training, assistance, and sample prep by EML staff |
| Other Scopes | Olympus FV-1000 Confocal | Hour | \$ 35.00 | Self-Use |
| | <i>Lasers: Ar+, HeNe (543 nm & 633 nm)</i> | Hour | \$ 105.00 | 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 | \$ 70.00 | 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.

