

Department Of Pathology
College of Veterinary Medicine
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Transmission Electron Microscopy (TEM)

TEM Sample Total Package

	Investigator uses TEM	EM Lab personnel uses TEM
TEM Sample Total Package	\$275.00	\$320.00
Additional beam time	\$70.00 per hour	\$115.00 per hour

TEM Sample Total Package includes:

- **1 sample/vial** of fixed cells/tissue processed by routine methods (post fixation with OsO₄, UA enbloc, dehydration, and embedment), ultramicrotomy of both thick and thin sections from representative blocks.
- **1 hour** of scope time by the investigator *OR* **1 hour** of scope time by lab personnel.

*Alternate processing methods and/or additional scope time will incur extra costs.
Consultation is available; especially when considering larger projects.*

Negative Staining

	Investigator uses TEM	EM Lab personnel uses TEM
Negative Staining	--	\$60.00

Negative Staining includes:

- **1 sample** prepared by direct or differential centrifugation methods.
- **30 minutes** of scope time by the lab personnel.

Additional methods and/or additional scope time will incur extra costs.

TEM Instructional Package

	Investigator uses TEM	EM Lab personnel uses TEM
TEM Instructional Package	\$185.00	--
Additional beam time	\$70.00 per hour	

The TEM Instructional Package is for residents and graduate students affiliated with the Department of Pathology working with pathologists for experience in transmission electron microscopy.

TEM Instructional Package includes:

- **1 sample/vial** as described in the TEM Package.

A pathologist experienced in electron microscopy must accompany the resident/graduate student during interpretation sessions at the light and the EM levels.

Scanning Electron Microscopy (SEM)

SEM Sample Total Package

	Investigator uses SEM	Lab personnel uses SEM
SEM sample total package	\$250.00	\$317.50
Additional beam time	\$70.00 per hour	\$115.00 per hour

SEM Sample Total Package includes:

- **1 sample/vial** of fixed cells/tissue processed by routine methods for scanning electron microscopy (fixation, dehydration, critical point drying, mounting, sputter coating).
- **90 minutes** of scope time by the investigator *OR* **90 minutes** of scope time by lab personnel.

*Alternate processing methods and/or additional scope time will incur extra costs.
Consultation is available; especially when considering larger projects.*

Corporate and For-Profit EM Services

Corporate Rates

	Investigator uses scope	Lab personnel uses scope
Negative staining	--	\$120.00
TEM sampling	\$550.00	\$640.00
SEM sampling	\$500.00	\$635.00

Corporate Rates:

TEM and SEM samplings are regarded as the TEM and SEM sample total packages clarified above. A consultation is highly recommended for larger projects.

Supporting the EM Lab

If a corporation would like to financially support this growing EM facility on a yearly basis by contributing to the equipments' service maintenance contracts, the costs incurred for services will be discounted to the academia fees for a designated period of time. The designated period of time is based on the amount of the contribution as stated in the table below:

Contribution	Time Period
\$1,000 - \$4,999	3 months
\$5,000 - \$10,999	6 months
\$11,000 - \$15,999	9 months
\$16,000 and above	12 months

Time Period:

The time period will begin once the first sample is submitted in the same fiscal year as the contribution. During the designated number of months, samples will be charged the lower

academia rates. This is for TEM Package, Negative staining, and SEM Package only. Once the time period has elapsed, the rates for any new submissions will revert back to the corporate rates.

Submission Forms

Submission forms are available on the EM webpage at:
<http://www.vet.uga.edu/vpp/services/labs/em.php>.