

**OREGON STATE UNIVERSITY (OSU) RADIATION CENTER
FEES AND USE CHARGES FOR FACILITIES, EQUIPMENT, AND SERVICES**

Use charges are based on a partial cost recovery policy. They are designed to cover, in part, equipment maintenance and upgrade costs and also supplies and technical support not included within the normal allocation of University funds for the Center.

Charges for radio-analytical services, radioisotope source production, and non-routine projects are determined by the Director on a case-by-case basis.

TRIGA Reactor

Routine use of any one facility: rotating rack (lazy susan), pneumatic transfer tube (rabbit), cadmium-lined inner-core irradiation tube (CLICIT) in B1, cadmium-lined outer-core irradiation tube (CLOCIT) in F20, in-core irradiation tube (ICIT) in F12, beam port, or thermal column. Charges include sample loading/unloading, supplies, and waste disposal. Charges for TRIGA Reactor Use include base charge plus hourly charges. Time is rounded up in one-hour increments.

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Base Charge	\$357/run (plus hourly charges)	\$375/run (plus hourly charges)
<i>In addition to the base charge, charges by the hour will be charged as listed below:</i>		
1 - 7 hours	\$96/hour	\$101/hour
8 -35 hours	\$672 plus \$71/hour >7 hours	\$707 plus \$75/hour >7 hours
35+ hours	\$2,660 plus \$48/hour>35hours	\$2,807 plus \$51/hour>35hours

Should a customer request to expedite their order, the additional cost will be determined upon the length of time their irradiation sample set will take. The expedite cost will be:

Expedite 1-7 hours = \$1,155/set
Expedite 8-35 hours = \$2,200/set
Expedite 36+ hours = \$3,700/set

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Fission Track (no base charge)	\$875/run	\$919/run

Neutron Radiography

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Radiography beam	\$21/exposure	\$26/exposure

Costs associated with use of radiography facility are determined by the Director on a case-by-case basis.

Instrumental Neutron Activation Analysis (INAA)

Charges include supplies, sample encapsulation, irradiation, two sets of counts (typically one at 4 to 5 days and one at 3 to 4 weeks), data reduction, report preparation, and waste disposal. A minimum of 5 samples will be charged.

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Routine INAA	\$40	\$105

Cobalt-60 Gamma Irradiator

Routine use of the gamma irradiator is charged per run and includes staff time for performing the irradiation.

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Gamma Irradiator Use	\$179/run	\$188/run

Detection and Analyzer Systems

Routine use of any one detector or analyzer system: liquid scintillation; alpha, beta, or gamma spectrometry; thermoluminescent dosimetry. Minimum charge is one day. Work performed by Radiation Center staff is also charged staff technical assistance rates.

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Detector/Analyzer Use	\$174/day	\$183/day

Handling, Packaging, and Shipment of Radioactive Materials

Charges include time involved in handling, packaging the material, and the preparation of necessary shipping documentation (usually 3 h or more), as well as materials and supplies.

Radioactive material shipment (domestic)	\$203/shipment plus shipping fees at cost
Radioactive material shipment (international)	\$375/shipment plus shipping fees at cost

Staff Technical Assistance

Technical staff time	\$79/h (minimum one hour)
Professional staff time	\$101/h (minimum one hour)
Senior professional staff time	\$189/h (minimum one hour)

Calibration and Repair of Portable Radiological Monitoring Instruments

	<u>OSU Internal Customers</u>	<u>External Customers</u>
Routine calibration:	\$69/instrument	\$69/instrument
	\$86/kit	\$86/kit
	\$9/unit dosimeter	\$9/unit dosimeter
	\$35/unit Routine 2401 Detector	\$35/unit Routine 2401 Detector

For further information contact:

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