

**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 radioanalytical 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 in-core irradiation tube (CLICIT), in-core irradiation tube (ICIT), g-ring in-core irradiation tube (GRICIT), sample-holding dummy fuel element, beam port, or thermal column. Charges include sample loading/unloading, supplies, and waste disposal. Time is rounded up in one hour increments.

	<u>OUS Institutions</u>	<u>Non-OUS Institutions</u>
1 - 7 hours	\$115/hour	\$135/hour
8 hours or more	\$805 plus \$32/hour >7 hours	\$945 plus \$32/hour >7 hours
Sample repositioning	\$50/@flip@	\$50/@flip@
Fission track ( $7\text{h}\sim 2\times 10^{15}\text{ nAcm}^{-2}$ )	\$350 (<7 h); \$575 (>7 h)	\$350 (<7 h); \$575 (>7 h)

**Neutron Radiography**

Radiography beam	\$15/exposure	\$20/exposure
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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>OUS Institutions</u>	<u>Non-OUS Institutions</u>
Routine INAA	\$75	\$100

**Calibration and Repair of Portable Radiological Monitoring Instruments**

	<u>OUS Institution</u>	<u>Non-OUS Institution</u>
Routine calibration:	\$40/instrument	\$55/instrument
Repair	\$40/hr repair time + parts at cost	\$50/hr repair time + parts at cost

### **Cobalt-60 Gamma Irradiator**

Routine use of the gamma irradiator is charged based on the radiation dose (and hence time) and includes staff time for performing the irradiation.

<u>Radiation Dose</u>	<u>OUS Institutions</u>	<u>Non-OUS Institutions</u>
<2 Mrad	\$105	\$115
2-4 Mrad	\$135	\$180
>4 Mrad	\$210	\$230

### **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>OUS Institutions</u>	<u>Non-OUS Institutions</u>
\$100/day	\$120/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)	\$165/shipment plus shipping fees at cost
Radioactive material shipment (international)	\$275/shipment plus shipping fees at cost
Special order expediting fee	\$1000/set of shipments

### **Staff Technical Assistance**

Technical staff time	\$45/h (minimum one hr)
Professional staff time	\$55/h (minimum one hr)
Senior professional staff time	\$90/h (minimum one hr)
Expert witness testimony	\$500/h (minimum one hr)

For further information contact:

Steve Reese, Director  
Radiation Center  
Oregon State University  
100 Radiation Center  
Corvallis, OR 97331-5903  
(541) 737-2341 phone  
(541) 737-0480 fax

[Steve.Reese@oregonstate.edu](mailto:Steve.Reese@oregonstate.edu)

Radiation Center Home Page: <http://radiationcenter.oregonstate.edu/>