

**University of Georgia--University Research Animal Resources
Importation and Quarantine of Rodents from non-commercial institutions
(January 2013)**

Rodents may be imported to UGA from non-commercial institutions. Because non-commercial institutions do not monitor the animals' health status as rigorously as do commercial vendors, these rodents must be quarantined upon arrival to protect the health of the other animals in the facility.

Shipment:

- **You must complete and submit the “Non-Commercial Vendor Animal Import Form”** (on URAR LS website and below) to initiate the import process.
- The Attending Veterinarian will assess the health status records submitted by the source institution's laboratory veterinary office. If the health records show no evidence of microbial agents of concern, the rodents may go through quarantine at the Coverdell Rodent Vivarium (CRV).
- **DO NOT arrange shipment on your own, or transport the rodents yourself.** Once there is space available in the CRV Quarantine, the Animal Facilities Manager will arrange shipment. We may request 1-2 extra imported animals be shipped, if available, which we will euthanize for parasite testing upon arrival.
- The URAR-LS staff arranges the shipment of the imported animals and sentinels for them to arrive at approximately the same time. This is to minimize your costs and the length of quarantine, because per diems for the sentinels begin when the sentinels arrive, even if your imported animals are not yet here. Therefore, please work with URAR-LS to arrange the best timing of shipments. Notify us as soon as possible if you find out that your shipment will be delayed or cancelled.

Quarantine Testing and Cost:

- Quarantine includes sentinel exposure and testing and parasite testing of the imported animals.
- **The total cost of the sentinels, their testing, and the imported animal testing is charged to the investigator, and depends on the number of imported animals and cages. The minimum cost (for up to 10 cages), would be \$558.00.** Contact the Animal Facilities Manager, or refer to the chart below, if you want to know the estimated cost for your specific import situation.
- **Per diem charges are separate, and depend on the number of imported cages and sentinels, and length of quarantine.**

Quarantine Procedures:

- Quarantine follows strict procedures follow, including set traffic patterns, protective clothing, and protective procedures for handling equipment.
- **Research personnel are not allowed to enter the CRV quarantine room** without special permission. If circumstances require limited access to the animals, arrangements must be made with the CRV Supervisor, in consultation with the Attending Veterinarian.
- **Breeding of animals in quarantine is performed only by prior arrangement.** If breeding of the animals is desired, arrangements should be made with the CRV Supervisor in consultation with the Attending Veterinarian.
- **During quarantine, all imported rodents are treated for possible fur mite and pinworm infections.** To eliminate possible mites, a permethrin impregnated cotton ball (Mite arrest®) is placed in the cage. To eliminate possible pinworms, fenbendazole impregnated gel bags (Napa nectar plus®) are provided. Mice are monitored carefully to ensure adequate hydration.
- Most sentinel pairs will be housed in a separate cage, and exposed systematically to dirty bedding from all of the imported animals' cages during the quarantine period. If possible, one of the female sentinels may be a 'contact sentinel', and will

be housed in the same cage as 1 or more colony females to enhance transmission of any infectious agents.

- After at least 6 weeks of exposure, sentinels are submitted to the CVM Diagnostic Lab for comprehensive (serology and parasite) testing. Additionally, samples (feces and fur swabs) are collected from the imported animals at arrival, for parasite testing. **Results of the testing are normally available by 7-8 weeks after arrival of imported animals.**
- If no agents of concern are identified, the rodents are released from quarantine. Identification of infectious agents will require further action such as treatment, depopulation, rederivation, and possible extension of the quarantine period.
- Additional testing and/or treatment of rodents in quarantine may be required depending on the source of the animals.
- **These procedures will be followed unless an exception is approved.** Please contact URAR if you have any questions about the quarantine procedures.

Total Cost Estimates Depending on Number of Cages

- Cost includes the sentinels and their testing PLUS the testing of imported animals PLUS the technician time needed to process the samples. The cost depends mainly on the number of number of cages in which the imported animals are housed in Quarantine.
- **These costs are based on mice**, since the vast majority of imports are mice. Costs for other rodents would need to be calculated specifically.

Cost of sentinels and their testing depends on number of cages		PLUS	Cost of imported animal testing depends on the number of cages		PLUS	Cost of technician time is <i>estimated</i> based on the number of cages			
# Cages	Cost		# Cages	Cost		# Cages	Estimated Cost	# Cages	Estimated Cost
1-10	\$371		1-10	\$97	1-2	30	21-22	180	
10-20	\$667		10-20	\$194	3-4	30	23-24	180	
20-30	\$963		20-30	\$291	5-6	60	25-26	210	
30-40	\$1,259		30-40	\$388	7-8	60	27-28	210	
					9-10	90	29-30	240	
					11-12	90	31-32	240	
					13-14	120	33-34	270	
					15-16	120	35-36	270	
					17-18	150	37-38	300	
					19-20	150	39-40	300	

Estimated Totals for Cage Ranges

1-10: 371+97+90= \$558

10-20: 667+194+150=\$1,011

20-30: 963+291+240=\$1,494

30-40: 1,259+388+300= \$1,947

Import of more than 40 cages is unusual and will be calculated as needed

Average cost per cage (for 1-10) is = \$55.80

Average cost per cage decreases as number of cages increases

Request to Import Animals from Non-Commercial Vendors
Animal Resources-LS
FAX to ANIMAL RESOURCES at 706-542-0149

Researcher Information	Date:
Investigator Name:	AUP Number:
E-mail:	Phone:
Department:	
User:	Phone:
E-mail:	
Account Number (for shipping, QA charges and per diems)	Account Name:

Shipping Contact Information	Shipping to be paid by: ↑ Shipper ↑ Recipient
Originating Facility:	PI Name:
Shipping Contact Person:	Vet Name:
Phone:	Vet Phone:
Email:	Vet Email:

Animal Information							
Quantity	Species	Strain	Sex	Age	Weight	Type of Housing	Number Per Cage

 Authorized by Principal Investigator
 (Do Not Write Below, for AR use only)

Attending Veterinarian

Health Reports Received by AV: ↑ Yes	Date Received:
Attending Veterinarian Authorization to Import:	
Quarantine Space Available?	Quarantine Memo sent to PI: ↑ Yes ↑ No

Manager

Ship Date:	Courier:	Confirmation Number:
Order #:	Expected Arrival:	
Sentinel Order #:	Date Left QA:	
DOA:	Ship Cost:	QA Cost:
RR Sent:	Total Billed:	Month: