

# National Institute on Aging

## Aged Rodent Tissue Bank

The National Institute on Aging (NIA), part of the National Institutes of Health (NIH), has developed under contractual arrangement with BioReliance a repository of tissue collected from the NIA Aged Rodent Colonies. The NIA colonies are barrier maintained and Specific Pathogen Free (SPF). Tissues are fresh frozen and stored at  $-80^{\circ}$ .

Tissue from the NIA Aged Rodent Tissue Bank is available to investigators at academic and non-profit research institutions who are engaged in funded research on aging. The project name and source of funding must accompany all orders. It may not be possible to ship tissue to foreign countries that have restrictions on the import of animal tissues or products.

The NIA now also offers aged rodent tissue arrays – information is available at <http://www.nia.nih.gov/ResearchInformation/ScientificResources/AgedRodentTissueBankHandbook/TissueArrays/>.

### Contact Information

Biological Resources Branch (BRB)  
National Institute on Aging  
7201 Wisconsin Ave. / GW 2C231  
Bethesda, MD 20892

Program Assistant in charge of the order desk: Heidi Brogdon  
Phone: 301-496-0181  
FAX: 301-402-5997 (back-up FAX # 301-402-0010)

Nancy L. Nadon, Ph.D., Head, Biological Resources Branch  
Phone: 301-496-0181  
FAX: 301-402-5997

All email correspondence regarding rodent resource orders should be sent to [rodents@nia.nih.gov](mailto:rodents@nia.nih.gov).

BioReliance Corp., 14920 Broschart Road, Rockville, MD 20850-3349  
Federal Tax ID # 522038294

Effective July 1, 2005

## Available Tissue

Tissue availability at any point in time will be affected by the collection schedule and prior sales. Please contact the BRB Order Desk to inquire about tissue availability. Tissue is available from the following strains and ages:

F344 (Fisher 344) rats	4, 12, 18, 24 and 28 months of age
F344xBN F1 rats	4, 18, 24 and 32 months of age
C57BL/6 mice	4, 12, 18 and 24 months of age
B6D2F1 mice (females only)	4, 12, 18 and 24 months of age
BALB/cBy mice	4, 12, 18 and 24 months of age
CB6F1 (BALB/c x C57BL/6) mice (males only)	4, 18, 24 and 32 months of age
BALB/c mice, caloric restricted and ad lib controls	8, 14, 20 and 24 months of age
F344 rats, caloric restricted and ad lib controls (males only)	4, 18, 24, and 28 months of age
F344BN F1 hybrid rats, caloric restricted and ad lib controls (males only)	4, 12, 18, 24, 34 months of age

Animals are euthanized by CO<sub>2</sub> asphyxiation and fresh, unfixed tissue and organs are flash frozen in LN<sub>2</sub> and stored at -80°C. Special arrangements can be made for NIA-funded investigators for fixation of tissues or collection of additional ages or tissues such as bone. For information, contact Dr. Nadon.

The following tissues will be collected from each animal:

- serum, 200 ul aliquots
- brain, whole or hemisphere
- cervical spinal cord
- eyes, pair
- sciatic nerves, pair
- heart, whole, rinsed in Phosphate Buffered Saline
- lungs, whole
- liver, whole
- spleen, whole
- ovary or testes, pair
- prostate (M), whole
- muscle – thigh,
- skin, shaved, from flank, approximately 1 x 1 cm square,
- kidneys, pair, whole
- adrenal gland, pair
- white adipose tissue, subcutaneous
- brown adipose tissue
- thymus, whole
- any tumors found
- pancreas

## Price Schedule

All tissues are priced at \$5.00 per tissue, regardless of strain or age. Customers are also responsible for shipping costs of \$75.00 per box which includes packaging, dry ice and the cost of shipping the tissue by overnight courier service. Prices are subject to change.

## Information Supplied with Tissue

A Vital Statistics Information Sheet for each animal will be sent with each order. It includes an identification number for the animal, the date of freezing, strain, gender, age, weight, barrier of origin, and general condition of the animal including visible lesions. Only healthy animals will be used. However, tumors may exist within organs that are undetectable at necropsy. No replacements will be provided for organs containing tumors undetectable at necropsy.

Brain, heart, liver, spleen, lungs, kidneys, adrenal glands and reproductive organs are frozen within 5 minutes of anoxia, and all other tissues are frozen within 10 minutes of anoxia. The Vital Statistics Information Sheet lists the time from anoxia to freezing for major organs (brain, heart, liver, spleen, kidneys, lungs, and reproductive organs) and the total time elapsed between anoxia and freezing of the last tissue specimen from the animal. Wet weight of brain, heart, liver, spleen, kidneys, lungs, reproductive organs, white and brown adipose tissue and muscle are recorded on the Vital Statistics Information Sheet.

The Vital Statistics Information Sheet also indicates if there were any detectable tumors in that animal and provides a description of the location and general morphology of the tumors. Tumors will be entered into the Tissue Bank and the relevant Vital Statistics Information Sheet sent with any tumors shipped to customers.

## Ordering Instructions

- Orders must be placed through the NIA only by FAX or email and must be submitted on the NIA Aged Rodent Tissue Bank Order Form. All information requested on the order form **must** be provided. Billing will be done by the contractor, BioReliance, and remittance is made to the contractor. Make the purchase order (P.O.) out to BioReliance. NIA can refuse to take orders from customers with outstanding invoices. Payment is in United States Dollars.
- Complete orders received by NIA no later than **Noon Tuesday ET** normally can expect following week delivery, dependent on availability. Orders may be submitted for future shipping if the desired tissue is already scheduled for collection but has not yet been collected, but the order form must be complete, including P.O. #.
- Acknowledgement of receipt of orders will be faxed or emailed to the contact person within two business days of receipt of the order. Contact our office if an acknowledgement is not received within that timeframe. We will phone/email the contact person if there is any difficulty filling the order.
- The NIA Aged Rodent Tissue Bank is available to investigators at academic and non-profit research institutions who are engaged in research on aging funded from non-commercial sources. Commercial entities are not eligible to order from the NIA Aged Rodent Tissue Bank.

*NOTICE:* Problems regarding the status of orders upon delivery must be brought to the attention of the NIA BRB Order Desk within 24 hours of receipt of the order. Replacements or credits will only be provided for incorrectly filled orders or orders lost due to shipping problems.

# NIA AGED RODENT TISSUE BANK ORDER FORM

Order desk: FAX 301-402-5997 Phone 301-496-0181 email: [rodents@nia.nih.gov](mailto:rodents@nia.nih.gov)

For billing and invoicing questions, contact Sandy Butt, BioReliance, 301-610-2510

BRB Office Use Only	NIA Confirmation Number	
---------------------	-------------------------	--

Provide **all** information. Orders must be received by **noon Tuesday (ET)** for following week delivery.

Principal Investigator's Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Billing Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Contact Person's Name: \_\_\_\_\_

FAX: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Accounts Payable Contact Person's Name: \_\_\_\_\_

FAX: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

P.O. # : \_\_\_\_\_ Delivery date: \_\_\_\_\_

Name of project: \_\_\_\_\_

Funding agency and grant number: \_\_\_\_\_

BRB use: t=tumor nt=non tumor	Quantity	Strain	Age (mo.)	Gender	Tissue	Additional Information

Special Instructions: Check here  if tissue must be from tumor free animals.