

KCC CORE MOUSE CRYOPRESERVATION FACILITY REQUEST FOR CRYOPRESERVATION SERVICES

Services Requested (Circle one)

A. Cryopreservation Services (See Page 4)

Sperm cryopreservation w/ recovery	\$1200	
Embryo cryopreservation w/ recovery	\$1200 + cost of mice and per diems	Return recovered mice? Yes No (circle one)
Sperm freezing, no recovery	\$100/male	
Strain recovery via cryopreserved sperm	\$600 + cost of mice and per diems	
Strain recovery via cryopreserved embryos	\$400 + per diems	
Shipment of frozen material	\$100 + shipping	

Note: Discounts apply for members of Departments/Programs that subsidize the facility.

NOTE: A separate form **must** be complete for each line to be cryopreserved. Service fees above apply to one cryopreserved line and are for standard services only. See page 4 for a description of "standard services" and additional fees that will apply for non-standard services.

Principal Investigator _____ Ext. _____ E-mail _____

Building _____ Room Number _____

Contact Person _____ Ext. _____ E-mail _____

Building _____ Room Number _____

Department: _____ Is the Principal Investigator a member of the KCC? YES NO

NOTE: All production for those outside of the Department of Microbiology & Immunology of the KCC must have department head approval.

Department Head _____
Approved (print) (signature / date)

PLEASE COMPLETE REQUIRED BILLING INFORMATION:

Please Note: In addition to a fee for cryopreservation services, requesting investigators will be responsible for all associated per diem fees, and animal acquisition fees, including but not limited to the purchase of donor mice at 15-18 days, their lactating mothers, and/or male prep mice.

Charge Code for Cryopreservation Services Fees: _____ - -7036- _____
Charge Code for Animal Per Diem Fees: _____ - -7034- _____
Charge Code for Animal Acquisitions: _____ - -6503- _____

PLEASE ANSWER THE FOLLOWING QUESTIONS:

For Cryopreservation Services:

Where are your mice currently housed? Building _____ Room _____

Are you aware of any unfavorable health conditions in the above room, if yes please explain? _____

Please supply the last sentinel report for that room.

Name of line to be frozen: _____ Date of birth of animals: _____

Photo copies of original identifying cage cards must be supplied.

Number of animals that will be supplied to the facility _____ Current Protocol Number for animals: _____

Please supply the following detailed information regarding the strain to be cryopreserved/recovered:

Strain Name: _____ Strain Background: _____ Strain Color: _____

Gene(s) of interest: _____

Describe the development of this strain (e.g., Mutation created in R1 ES cells, chimeras mated to C57Bl/6J, brother-sister crossed for 5 generations): _____

Current generation: _____

Please describe the phenotype in detail: _____

	(circle one)		
Is this phenotype visible?	Yes	No	
Are homozygous females viable?	Yes	No	
Are homozygous females fertile?	Yes	No	Subfertile
Are homozygous males viable?	Yes	No	
Are homozygous males fertile?	Yes	No	Subfertile
Are heterozygous females viable?	Yes	No	
Are heterozygous females fertile?	Yes	No	Subfertile
Are heterozygous females viable?	Yes	No	
Are heterozygous females fertile?	Yes	No	Subfertile

Describe the breeding scheme you use to maintain the strain (e.g. brother x sister, homozygous x homozygous, het x wildtype, etc.): _____

Strain breeding characteristics (e.g. Normal, small litters, females eat first litters, etc.): _____

Strain husbandry (Special bedding, chow, water, drugs, etc.): _____

Strain notes (Pertinent information): _____

For Embryo/Sperm Recovery Services:

1. What is the source of your frozen material? KCC Other (specify): _____

2. Do you currently have space in an animal facility? _____ If so, what building(s) and room number(s) _____

Indicate building and room number animals will be transferred to: _____

If you do not have space in an animal facility, have you submitted a SPACE REQUEST form to Laboratory Animal Services? Yes No

Has the request been approved? _____(Attach copy).

WE CANNOT RECOVER ANIMALS UNTIL YOU HAVE RECEIVED VERIFICATION OF SPACE FROM LABORATORY ANIMAL SERVICES (contact Carlton Pryor,1150 BLSB, x 3-6168).

3. Has your animal protocol been approved? _____ Most recent date of approval _____

Animal Protocol Title _____ Animal Protocol Number _____

4. Does this protocol require Biosafety Committee approval? YES NO (circle) Approval number _____

Description of services

Sperm cryopreservation w/ recovery Sperm will be collected from 3 or more males, pooled, and cryopreserved. An aliquot of frozen sperm will then be thawed and used to recover live mice, thus demonstrating that the strain is successfully cryopreserved.

Embryo cryopreservation w/ recovery Embryos will be produced by IVF or by natural matings and cryopreserved. An aliquot of frozen embryos will be thawed and transferred to recover live mice that can be provided to the investigator may have, if desired. These re-derived mice will be pathogen-free. The investigator will be responsible for purchasing or supplying the mice used to produce the embryos, along with all associated per diem costs for their maintenance.

Sperm Cryopreservation, no recovery Sperm will be frozen and stored from the males you have provided with no attempt to recover live animals. Warning: There is **no** guarantee that live animals will be recovered from this frozen material. The investigator will be

required to pay an additional \$400 surcharge to the usual recovery fee the first time an attempt to recover live animals from this frozen sperm is performed.

Strain recovery via cryopreserved sperm An aliquot of sperm will be thawed to fertilize oocytes in vitro and recover live mice. The resulting embryos will be transferred to foster mothers and all pups will be returned to the investigator. The females (which will vary both by the number of mice you wish to obtain and the efficiency at which your particular strain recovers) will be purchased by the investigator. The investigator will also be responsible for all associated per diem costs. Note: If frozen material is supplied by an outside source, there will be a \$100 surcharge. Furthermore, unless the source is pre-approved, there is **no** guarantee of recovery of live animals.

Strain recovery via cryopreserved embryos An aliquot of embryos will be thawed and transferred to foster mothers. All pups born will be weaned and transferred to the investigator (expect *at least* one breeder pair). The investigator will be responsible for all associated per diems. Note: If frozen material is supplied by an outside source, there will be a \$100 surcharge. Furthermore, unless the source is pre-approved, we can **not** guarantee recovery of live animals.

Shipment of frozen material At your request, an aliquot of your frozen material will be shipped anywhere in the world via FedEx. This can vastly simplify providing mice to collaborators due to the fact that frozen material is unaffected by environmental conditions in transit and in most cases frozen material is not subject to quarantine provisions since recovery of live mice from frozen material (if properly done) serves to also re-derive the strain. The frozen material is shipped in a special container called a “liquid nitrogen dry shipper” that is capable of maintaining cryogenic temperatures for two weeks. It weighs around 25 pounds when charged, and a FedEx account number will need to be provided to pay for shipping the samples to your recipient plus the return of the shipper.

I HAVE READ AND UNDERSTAND THE ABOVE CONDITIONS OF SERVICE AND HAVE MADE MY REQUEST ON BASED THIS INFORMATION.

(PLEASE INITIAL)