

## CCMS Non-Approved Vendor Source Rodent Importation Policy

CCMS considers sperm in vitro fertilization (IVF) re-derivation to be the preferred method of importing non-approved vendor mouse lines/strains onto the campus. This sperm service is offered in partnership between CCMS and the Mouse Genetics Shared Resource Facility (MGSRF) at a very competitive rate. 2 males (10-16 weeks to 3-10 months of age) are necessary to carry out this procedure. The time frame from the re-derivation to live animal is approximately 12 weeks (3 weeks gestation, 3 weeks weaning) which includes the estimated time to breed back to a single transgene zygosity. This time is comparable to that of our current whole animal quarantine program (12 weeks). Additionally, there are many intrinsic benefits gained via the re-derivation route of importation:

1. Elimination of lengthy importation paperwork
2. Eliminates the risk of adventitious pathogens evading detection during quarantine
3. Assures that imported animals meet institutional health criteria post importation
4. Supports CCMS efforts to maintain a clean animal vivarium

If there are reasons that preclude the use of this re-derivation program, whole animal quarantine will be considered for importation (Time alone is not a circumstance that would preclude the use of this program). Please note that the testing and length of surveillance is 12 weeks to allow for a thorough evaluation of the health status of the animals prior to release from quarantine.

In order to initiate the process of importing non-approved vendor source animals, please complete the online CCMS Animal Shipping form which can be found utilizing the following link:

<https://erap.mssm.edu/Public/CCMSAnimalShipping.aspx>.

In completion of the form, it is important to note the background information and genotype (zygosity) of the requested animals for re-derivation consideration. Upon submission of the Animal Shipping form, CCMS will request the latest health report from the shipping institution. After the health report has been received, reviewed and approved by the CCMS clinical veterinarian, CCMS will send "A Letter of Approval" with shipping dates for the animals requested along with a MGSRF IVF re-derivation requisition form. This form must be completed to proceed with the importation of animals for re-derivation. **Please note that the use of whole animal quarantine is pending approval of the exporting institution's health report for the requested animals.**

**Re-derivation shipments will be received and accepted in conjunction with the MGSRF processing schedule.** Appropriate weather conditions are necessary for shipping as per World Courier policy (CCMS preferred shipping courier). Shipments are accepted Tuesday through Thursday of the week for MSSM arrivals.

Whole animal quarantine is conducted off-site at Charles River Laboratories (Wilmington, MA ). Mice accepted into quarantine can be shipped directly to this site Monday through Thursday.

CCMS shipping coordinator will provide shipping address to exporting institute upon receipt of approval of whole animal quarantine by CCMS veterinarian.

## 1. Summary of cost for IVF re-derivation:

Service	Cost	Comments
Mouse Genetics SRF Standard IVF re-derivation	\$1250.00	includes the fresh sperm IVF, as well as cryopreservation of sperm from a second male if two males are available to be shipped, Health Testing
Shipping courier	Rate contingent on shipping distance	CCMS shipping coordinator can be contacted for further detail
Import/Export fee (domestic/international)	\$60.00/\$100.00	
Acute Isolator fee	\$75.60/week	All mice intended for re-derivation are housed in isolators for one week prior to ensure the mice recover from stress
Housing fee	\$11.87	
Technician time	\$40.00	CCMS technician time in harvesting sperm

## 2. Summary of cost for whole animal quarantine:

Service	Cost	Comments
Standard whole animal quarantine (12 week)	\$2755.50/ isolator (17 cage capacity)	Covers isolator maintenance and diagnostic testing
Prevalence PRIA (fecal PCR)	\$236.60/10 cages	Conducted on arrival as preliminary assessment of health status
Shipping courier	Rate contingent on shipping distance	CCMS shipping coordinator can be contacted for further detail
Crate	19.50/ crate	For transport of animals to MSSM campus pending quarantine release <i>1 crate has capacity for 2 cages of animals (5 mice per cage)</i>
Import/Export fee (domestic/international)	\$60.00/\$100.00	

\*additional test/ additional treatment(s)/extended quarantine may be conducted if deemed necessary by evaluating CCMS veterinarian

**These fees are charged to MSSM PI only; we are unable to request reimbursement for CCMS shipping fees from PI's at other institutions. CCMS does not bill other institutions.**

**Lines/Strains that are available for purchase from a commercial source should not be considered for importation.**