

From: Tarnowski, Betty (NIH/NCI)
Sent: Thursday, September 02, 2004 7:52 AM
To: Tarnowski, Betty (NIH/NCI)
Subject: New Policy for the NCI's Mouse Models of Human Cancers Consortium (MMHCC) Repository

**Mouse Models of Human Cancers Consortium
 Newsletter - Special Issue
 September, 2004**

Since NCI's Mouse Models of Human Cancers Consortium (MMHCC) Repository began distributing mice in 2001, the number of archived strains has grown steadily. A complete, continuously updated list of available strains is posted on the MMHCC Repository web site: <http://mouse.ncifcrf.gov>. Demand for MMHCC Repository mice has increased substantially over the last three years. The number of mice shipped per month grew from only a handful in the summer of 2001 to nearly 350 in May, 2004. To date, the MMHCC Repository has distributed 1-3 breeding pairs of mice, per request.

New Policies for the Repository's Operation

A review of the strain distribution history revealed that a small number of strains are in great demand while the majority (72%) received 20 requests or fewer over the past three years. Based on this pattern of distribution, the Repository is issuing new operational guidelines:

A. Reduction of number of live strains

Starting in September, 2004, low-demand strains will be cryopreserved and removed from the shelf (see Table 1). The number of live colonies will be reduced to 38 strains over a period of 6-7 months, and the Repository will be maintained at this level. No new strains will be imported during the restructuring phase

Table I. Strains to be retired in September, 2004

Strain Code	Official Nomenclature	Common Name
01XA2	B6.129-Mlh1<tm1Rak>	Mlh1 knock-out
01XG4	B6;D2-Tg(LPV-TAg121)2Tvd	LPV-TAg transgenic
01XF6	B6;129-Cdkn2a<tm1Cjs>	p19ARF knock-out
01XF9	B6.129-Nkx3-1<tm1Mms>	Nkx3.1 knock-out
01XG3	FVB/N-Tg(PML-RARa)556Kog	PML-RARA Line 556
01XH7	FVB-Tg(ACTB-ALPP)02Jrst	HB-PLAP(G11) transgenic
01XJ7	FVB-Tg(Pbsn-Akt1)9WrS	MPAKT transgenic

A "last call" notice of strains designated for cryopreservation will be issued one month in advance. These notices will appear on the MMHCC emice website, the MMHCC Repository website and in the MMHCC monthly newsletter.

B. Distribution of cryoarchived strains

On average, 300 embryos will be frozen per strain in aliquots of 25-30. Quality control experiments will be performed to ensure that live mice of the proper genotype can be recovered from the frozen material. Cryoarchived strains will be distributed as frozen material (25 embryos per order). The requesting investigator will be responsible to provide a suitable cryo-material shipping container.

C. Recovery of live mice from cryoarchived strains

Recipients of cryopreserved embryos will be responsible for the recovery of live mice and all costs associated therewith. Since the MMHCC Repository has no control over the cryo-recovery methods and procedures used by the recipient laboratory, the Repository will not be responsible for failure to recover live mice. Investigators who do not have the capability to recover mice from frozen embryos must designate a third party laboratory to receive the shipment and perform the recovery. Resuscitation by the MMHCC Repository may be requested only in exceptional cases.

D. Acceptance of new strains

A maximum of ten new strains will be accepted each year. The MMHCC Repository Committee will meet twice annually to review all strain submission requests and to select the new strains.