

UMMS TRANSGENIC ANIMAL MODELING CORE (TAMC)

RAT LENTIVIRAL INJECTION

THE FACILITY WILL PERFORM:

1. Microinjection into the perivitelline space of _____ (strain name) rat embryos.
2. Reagents to be injected lentiviral vector .
3. A minimum of four embryo transfers into pseudo-pregnant recipients.
4. Care of rats though pregnancy, birthing and weaning as appropriate.

Sufficient numbers of microinjected zygotes will be implanted into pseudo-pregnant recipients to yield approximately 15-20 births.

Once a microinjection experiment is underway, the minimum time for production of founder rats will be approximately eight weeks (two weeks for injections, three weeks for gestation, three weeks for weaning). The rats will be transferred to the Investigator at that time, and the Investigator will have full responsibility for further breeding, genetic analysis, observation, etc.

Not all DNA constructs microinjected into rat embryos will produce transgenic founder animals, as the biologic effects of the expression of some transgenes may prove deleterious during development. Furthermore, not all nuclease RNA or DNA will yield the desired mutations. Therefore, the UMMS Transgenic Animal Modeling Core can only guarantee the minimum number of implants of injected embryos into pseudo-pregnant recipients (4) and the number of mice born (approximately 15-20).

Charges for lentiviral injection as described above = \$8,500.00 per construct

P.I. Name _____
Department _____
Speedtype number _____
IACUC Docket Number _____
IBC Docket Number _____

Date Received _____
Construct name(s) _____

TOTAL CHARGES \$ _____

NOTE: As per IACUC and IBC regulations, all recombinant lentivirus delivered to the TAMC MUST be free of replication competent virus. We will ask to see the PCR results.

X _____
UMMS INVESTIGATOR / date

X _____
UMMS TAMC / date