

General guidelines on number of mice needed for rederevation (Katya Ravid, Scientific Director): For more details, contact the transgenic core manager (Tel: 617-6385053; email:gmartin1@bu.edu).

Type/Strain	Age (min-max)	Males (min-max)	Females (min-max)
Excellent Breeders (proven, and line produce litters of 6+ pups)	Males: 2-9 mo. Female: 3-10 wk	3-5	4-5
Average Breeders (not proven, line produces < 6 pups per litter)	Males: 2-7 mo. Female: 3-10 wk	3-5	6-10
C57Bl6 background	Female: 3-8 wk Males 2-7 mo. (< 6 preferred)	3-5	Depends on breeding efficiency of line (excellent or average)
FVB background	5-10 wks (7 weeks preferred) Males:2-9 mo (<6 preferred)	3-5	Depends on breeding efficiency of line (excellent or average)
Heterozygous Lines	2-10 mo. (<6 months is preferred)	3 males	6-8 Females (can be purchased; age is strain dependant)

Note: Males being used should be set up with females 2 weeks prior to rederevation for 3-5 days, and then housed without female for 5-7 days before rederevation.

The following table was outlined by LASC and the Transgenic Core.

DAY	PROCESS STEP	GROUP
Day 0	Mice are transferred to rederivation protocol	LASC
Day 1	Prepare PMS Injections Provide PMS Injections	Transcore LASC
Day 3	Prepare HCG Injections Provide HCG Injections	Transcore LASC
	Set up donor breeder pairs Set up recipient females with vasectomized males Make up M2 medium for culture and wash steps	LASC Transcore Transcore
Day 4	Plug Checks on donors females Plug checks on recipient females	LASC Transcore
	Oviduct Collection Make transfer needles and anesthetics for rederivation	LASC Transcore
	Wash and delivery to Transcore Isolate and wash embryos 5 times before implantation	LASC Transcore
	Implantation Surgery & recovery	Transcore
Day 5-25	Daily Husbandry Post-op monitoring and analgesia	LASC Transcore
Day 25	Birth of Litter	LASC
Day 26-46	Daily Husbandry	LASC
Day 46	Wean litter and transfer to LASC quarantine room	LASC
Day 47-74	Daily Husbandry	LASC
Day 74	Collect and send out serology/fecal samples	LASC
Day 75-84	Daily Husbandry	LASC
Day 84	Read sample results and release from quarantine	LASC