

Genetically Engineered Models and Services

Service	Description	Price
Quarantine		
PRIA Quarantine	Up to 10 mice quarantined following the GEMS PRIA Quarantine protocol, no breeding permitted	2,160.00
Quarantine Only	Up to 10 mice or 6 rats quarantined following GEMS standard protocol	2,860.00
Quarantine with Breeding	Up to 17 cages of mice or 8 cages of rats (including any animals born at Charles River) quarantined - up to 4 breeding cages of mice or 2 breeding cages of rats permitted	3,520.00
Large-Scale & Customized Quarantine		Prices upon request
Breeding		
3-foot Basic Isolator	18 mouse/9 rat cages - reserved for homozygous breeding or boarding	220.00/week
3-foot Genetic Isolator	18 mouse/9 rat cages - heterozygous breeding, backcrossing, etc.	320.00/week
6-foot Basic Isolator	30 mouse/12 rat cages - reserved for homozygous breeding or boarding	420.00/week
6-foot Genetic Isolator	30 mouse/12 rat cages - heterozygous breeding, backcrossing, etc.	610.00/week
8-foot Basic Isolator	64 mouse/27 rat cages - reserved for homozygous breeding or boarding, etc.	820.00/week
8-foot Genetic Isolator	64 mouse/27 rat cages - heterozygous breeding, backcrossing, etc.	1,010.00/week
Long-Term Rodent Aging	Holding animals to reach a specified age	Prices upon request
Comprehensive Colony Startup	Background characterization of three animals, sperm cryopreservation, rederivation to produce 25 heterozygous pairs, and PCR genotyping	19,240.00
Mouse Rescue Package I	Recovery of a line that is no longer producing offspring	5,800.00
Mouse Rescue Package II	Recovery of a line that is no longer producing offspring and sperm cryopreservation	6,300.00
Rederivation		
Mouse Embryo Rederivation I	At least two visibly pregnant embryo recipient females delivered	2,340.00
Mouse Embryo Rederivation II	At least 10 rederived offspring delivered with complete health report, conventional colony held until project completion	5,200.00
Mouse Embryo Rederivation III	Expansion of a homozygous colony from a minimum of two pairs, at least 10 rederived offspring delivered with complete health report, conventional colony held until project completion	6,760.00
Mouse Embryo Reconstitution	At least two pairs delivered if recovered from Charles River stock, with complete health report	1,560.00
Mouse Rapid Expansion I	40 - 80 rederived animals delivered, with complete health report	190.00/animal
Mouse Rapid Expansion II	81 - 120 rederived animals delivered, with complete health report	145.00/animal
Mouse Rapid Expansion III	121+ rederived animals delivered, with complete health report	115.00/animal
Mouse Sperm Rederivation I	At least two visibly pregnant embryo recipient females delivered, includes sperm cryopreservation	2,700.00
Mouse Sperm Rederivation II	At least 10 rederived offspring delivered with complete health report, includes sperm cryopreservation	3,800.00
Mouse Sperm Reconstitution I	Sperm recovered from stock frozen by Charles River, guarantee of two pairs with complete health report	2,200.00
Mouse Sperm Reconstitution II	Sperm recovered from stock frozen by a third party, actual animals recovered delivered with complete health report	2,500.00
Rat Embryo Rederivation I	At least 10 rederived offspring delivered with complete health report, conventional colony held until project completion	7,300.00
Rat Embryo Rederivation II	Expansion of a homozygous colony from a minimum of two pairs, at least 10 rederived offspring delivered with complete health report, conventional colony held until project completion	9,670.00
Rat Embryo Reconstitution	At least two pairs delivered if recovered from Charles River stock, with complete health report	2,600.00
Cryopreservation		
I•CRYO™	Do-it-yourself mouse sperm cryopreservation kit - includes instructions, materials, and media for cryopreserving 5 lines and media for IVF QC for 5 lines	5,000.00
Mouse Cryopreservation I	Cryopreservation of 250 - 300 embryos, most strains	3,640.00
Mouse Cryopreservation II	Expansion of a homozygous colony and cryopreservation of 250 - 300 embryos, most strains	7,000.00
Mouse Sperm Cryopreservation	Cryopreservation of sperm from two males, includes pre- and post-thaw QC, ~15 straws preserved, most strains	1,650.00
Rat Cryopreservation I	Cryopreservation of 250 - 300 embryos, most strains	4,870.00
Rat Cryopreservation II	Expansion of a homozygous colony and cryopreservation of 250 - 300 embryos, most strains	9,730.00
Cryopreservation Storage	Secure storage in two independent facilities	7.00/week

Service	Description	Price
Genetic Testing		
PCR	Zygoty testing	20.00
PCR Development	Custom assay development or validation	595.00
Q-PCR	Transgenic zygoty testing	45.00
Q-PCR Development	Custom assay development or validation	825.00
SNP Testing	Single nucleotide polymorphism testing	28.00
SNP Development	Custom assay development or validation	500.00
Expression Testing	Tissue expression level testing	135.00
Expression Assay Development	Custom assay development or validation	825.00
Relative Copy Number Analysis	Transgenic copy number testing	67.00
Copy Number Development	Custom assay development or validation	825.00
Background Strain Characterization	Analysis of genetic background	350.00
MAX-BAX® Speed Congenics	Fast development of congenic strains	Prices upon request
NOD Testing		275.00
SCID, Foxn1 Testing		39.00
SNP QC Testing		115.00
Disease Model Testing		Prices upon request
MHC Class I and II Testing		Prices upon request
Model Creation Services		
BlastoKit® C57 Small	400 C57BL/6NCrI embryos	2,500.00
BlastoKit® C57 Large	1,600 C57BL/6NCrI embryos	8,990.00
BlastoKit® Balb/c Small	400 BALB/cAnNCrI embryos	3,160.00
BlastoKit® Balb/c Large	1,600 BALB/cAnNCrI embryos	11,380.00
ES Cell Injection Package I	ES cells injected into ~80 blastocysts, chimeric offspring returned with complete health report	4,890.00
ES Cell Injection Package II	ES cells injected into ~80 blastocysts, chimeric offspring bred with wildtype animals to confirm germline transmission, positive F1 offspring returned with complete health report	8,320.00
Other Services		
MEA Testing	25 embryos exposed to media or product and tested for blastocyst development	175.00
GLP MEA Testing	25 embryos exposed to media or product and tested for blastocyst development under GLP conditions	300.00
MEF	60 million cells, 10 - 12 vials at 5 x 10 ⁶	1,575.00



Selecting only the highest quality two-cell embryos for cryopreservation and rederivation helps improve the viability of the frozen stock and ultimately allows for the production of more animals.