

TRANSGENIC MOUSE & STEM CELLS SERVICE CENTER

The **Transgenic and Stem Cells Service Center** was established in 1998 and since that time, it has generated over 750 new transgenic, knock-out and knock-in mouse animal models for investigators from UTHealth, as well as for scientists from numerous other academic institutions. The stem cell lines that have been derived in the laboratory are highly effective for the generation of knock-out/ knock-in mice and for cell differentiation studies. These cell lines are routinely used in the Core Facility and are also commercially distributed. In addition to the production, cryopreservation and re-derivation of genetically-engineered mice and rats, the services of the facility also include gene targeting, using ES cells or CRISPR/Cas9 genome editing and intellectual/technical support in different aspects of microsurgery, cell culture and stem cells research.

Services:

- Microinjection of DNA, BAC or YAC clones for the production of transgenic mice
- Microinjection of ES cells for the production of knock-out and knock-in mice
- Microinjection of DNA for the production of transgenic rats
- Gene targeting, using ES cells or CRISPR/Cas9 genome editing
- Selection, expansion and cryopreservation of mouse ES cells
- Cryopreservation of fertilized mouse and rat eggs and sperm
- Re-derivation of mice and rats from fertilized eggs
- Availability of pathogen-free animal models from high level barrier facility
- Derivation of novel mouse ES cells and other cell lines
- Availability of germline competent mouse ES cell lines (129/SvImJ, C57BL/6 and BALB/c) and antibiotic -resistant mouse fibroblast feeder layer cells

Visit our webpage for a complete list of services and forms.

<http://www.uthouston.edu/imm/service-centers/transgenic-and-stem-cell-services/>

Email us at: transgenic@uth.tmc.edu

Contacts for further information:

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University of Texas Health Science Center at Houston
The Brown Foundation Institute of Molecular Medicine

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1825 Pressler Street
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RATE SHEET

(PRICES VALID THROUGH 8/31/2016)

SUMMARY OF SERVICES SERVICE DESCRIPTION	FEES	
	UT RATES	NON UT RATES
MICROINJECTION		
Transgenic Mice DNA/BAC clones (per 2 days)	\$4,070	\$5,600
Site—Specific Integration (per 2 days)	\$5,570	\$7,660
CRISPR/CAS9 services (per 2 days)	\$4,070	\$5,600
Knock-out mice 129/SvIMJ ES cell (per day)	\$2,090	\$2,875
Knock-out mice C57BL/6ES cell (per day)	\$2,420	\$3,328
Knock-out mice BAL/c ES cells (per day)	\$2,420	\$3,328
CRYOPRESERVATION		
Fertilized eggs	\$660	\$908
Sperm (per line, minimum of 3 lines)	\$1,100	\$1,513
Annually Renewable Storage Fee (1 st line)	\$55	\$76
Each additional line	\$27.50	\$38
RE-DERIVATION		
Re-Derivation	\$1,155	\$1,589
ES CELL SERVICES		
Gene targeting and selection	\$8,250	\$11,345
Expansion and Cryopreservation	\$715	\$984
Derivation of MEF feeder cells	\$2,200	\$3,025
AVAILABLE CELL LINES		
Mouse ES cells (1 vial, passage 11) 129/ SVIM J	\$660	\$908
Mouse ES cells (1 vial, passage 11) C57/BL/6 or BALB/c	\$990	\$1,362
MEF feeder cells (passage 3) 129/SvIMJ or C57BL6	\$110	\$152
MEF feeder cells (passage 3) DR-4	\$110	\$152

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