



MGH Human Immune System Mouse Program

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FEE SCHEDULE

Mouse generation costs

- BLT (Bone Marrow-Liver-Thymus) mice: These mice are generated by adoptive transfer of human CD34+ stem cells, and transplantation of autologous human thymic grafts, into immunodeficient mice. This version of humanized mice have the most functional human immune systems, and is illustrated in the article: "**Induction of robust cellular and humoral virus-specific adaptive immune responses in human immunodeficiency virus-infected humanized BLT mice**" by Brainard, et al.
- Hu-HSC mice: These mice are generated by adoptive transfer of human CD34+ stem cells into immunodeficient mice.
- Hu-PBL mice: These mice are generated by adoptive transfer of human peripheral blood leukocytes into immunodeficient mice.
- Hu-CD4+ mice: These mice are generated by adoptive transfer of purified human CD4+ T cells into immunodeficient mice.

Service	PHS and HU CFAR Fee	Non-PHS and non-HU CFAR Academic Fee	Industry Fee
BLT (Bone Marrow-Liver-Thymus) mouse	\$800.00	\$1,152.00	\$1,272.00
Hu-HSC mouse	\$600.00	\$864.00	\$954.00
Hu-PBL mouse	\$350.00	\$504.00	\$556.50
Hu-CD4+ mouse	\$300.00	\$432.00	\$477.00

Reimbursement policy for excessive mouse loss

Mouse generation costs will be reimbursed for any mice lost due to chronic wasting or GvHD syndromes at greater than the following rates. Of note, mouse losses above these rates will not be reimbursed if therapeutics administered to mice as part of investigators experiments produce illness independently, or accelerate chronic wasting or GvHD as compared to control animals in the same experiments.

Time post-initiation of experiment	Limit of mouse loss
2 weeks	10%
4 weeks	20%
6 weeks	30%
8 weeks	40%
12 weeks	50%

Mouse procedure costs

SERVICE CHARGES	per uninfected mouse (\$)			per HIV-infected mice (\$)		
Service	PHS and HU CFAR Fee	Non-PHS and non-HU CFAR Academic Fee	Industry Fee	PHS and HU CFAR Fee	Non-PHS and non-HU CFAR Academic Fee	Industry Fee
Vaccination						
Intraperitoneal	20.00	28.80	31.80	25.00	36.00	39.75
Subcutaneous	45.00	64.80	71.55	25.00	36.00	39.75
Intradermal	25.00	36.00	39.75	30.00	43.20	47.70
Intravenous	30.00	43.20	47.70	45.00	64.80	71.55
Intramuscular	35.00	50.40	55.65			
Adoptive Cell Transfer						
Intraperitoneal	20.00	28.80	31.80	25.00	36.00	39.75
Intravenous	95.00	136.80	151.05	45.00	64.80	71.55
Intraperitoneal	20.00	28.80	31.80	25.00	36.00	39.75
Intravaginal	40.00	57.60	63.60	50.00	72.00	79.50
Drug administration						
Intraperitoneal	20.00	28.80	31.80	25.00	36.00	39.75
Oral gavage	40.00	57.60	63.60	50.00	72.00	79.50
Intravaginal	60.00	86.40	95.40	60.00	86.40	95.40
Intravenous	30.00	43.20	47.70	45.00	64.80	71.55
Intramuscular	25.00	36.00	39.75	35.00	50.40	55.65
Sub-cutaneous	20.00	28.80	31.80	25.00	36.00	39.75

SERVICE CHARGES	per uninfected mouse (\$)			per HIV-infected mice (\$)		
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Blood sample acquisition						
Pre-mortem (small volume)	60.00	86.40	95.40	40.00	57.60	63.60
Terminal (large volume)	90.00	129.60	143.10	60.00	86.40	95.40

Infection						
Intraperitoneal	60.00	86.40	95.40	25.00	36.00	39.75
Intravaginal	60.00	86.40	95.40	55.00	79.20	87.45
Intravenous	90.00	129.60	143.10	45.00	64.80	71.55
Intrauterine	50.00	72.00	79.50	80.00	115.20	127.20

IU Injection	35.00	50.40	55.65			
IN Application	35.00	50.40	55.65			
IU Boost	35.00	50.40	55.65			
IN Boost	35.00	50.40	55.65			
IU Challenge	35.00	50.40	55.65			
IN Challenge	35.00	50.40	55.65			

Tissue sample acquisition						
Spleen	90.00	129.60	143.10	95.00	136.80	151.05
Lymph nodes	135.00	194.40	214.65	130.00	187.20	206.70
Female reproductive tract	60.00	86.40	95.40	70.00	100.80	111.30
GI tract	50.00	72.00	79.50	70.00	100.80	111.30
Brain	70.00	100.80	111.30	85.00	122.40	135.15
Liver	45.00	64.80	71.55	60.00	86.40	95.40
Thymic graft	45.00	64.80	71.55	60.00	86.40	95.40
Bone marrow	70.00	100.80	111.30	100.00	144.00	159.00
Peritoneal lavage	75.00	108.00	119.25	80.00	115.20	127.20
Lungs	45.00	64.80	71.55	55.00	79.20	87.45
Kidney	45.00	64.80	71.55	40.00	57.60	63.60
Skin	45.00	64.80	71.55	40.00	57.60	63.60

Cardiac puncture and flush						
	75.00	108.00	119.25	120.00	172.80	190.80

Tissue sample preparation						
Splenocyte extraction + cell counting	115.00	165.60	182.85	220.00	316.80	349.80
Serum extraction	115.00	165.60	182.85	155.00	223.20	246.45
Antibody staining and flow cytometry	115.00	165.60	182.85	220.00	316.80	349.80

SERVICE CHARGES	per uninfected mouse (\$)			per HIV-infected mice (\$)		
Anesthesia						
Inhalation (Isoflurane)	110.00	158.40	174.90	40.00	57.60	63.60
Injection (ketamine/xylazine)	110.00	158.40	174.90	70.00	100.80	111.30
Water bottle medication or special food application						
Water bottle – per week per cage		60.00		86.40		95.40
Food change per week per cage		70.00		100.80		111.30
IVIS imaging		45.00		64.80		71.55

- ❖ Please note that our surgical capabilities are larger than stated on the HISMP Fee Schedule. We are able to perform new, original surgery-related experiments that are not specified on the price list. Arrangements for this can also be discussed with the HISMP Associate Director. Of note, additional new services will need to be approved by the Partners Research Core Facilities Office.

Per diem costs

\$1.25/cage/day per diem costs (FY2017) charged by the MGH animal facility will be passed through to investigators for the time periods that mice are in their experiments. The maximum number of mice per cage is five. Mice in different treatment groups in a given experiment will be housed in different cages.