

**PER DIEM RATES AND SERVICE FEES– effective April 1, 2022 (1)**  
(Published 9/1/21, ABSL3, special services rate rev. 10/22/2021, IACUC fees rev 4/1/22,  
rev. 4/28/22 rat breeder cage)

| Cost Center   | Per Diem Rate Per Cage |                    |
|---|------------------------|--------------------|
|   | UH affiliated(2)       | Non-UH External(3) |
| <b>Mouse Individually Ventilated Cage (MIVC)</b><br>Standard Husbandry. See note (4) below.   | \$1.02                 | \$1.59             |
| <b>Behavior Cage</b> – Standard Husbandry in MIVC in ventilated Scantainer mouse hotel cabinet. Cages one row deep in Scantainer. Limited room access to accommodate sensitive behavior studies.  | \$1.02                 | \$1.53             |
| <b>Mouse Metabolic Cage</b> – Standard husbandry plus additional time charged to the closest quarter hour will be assessed for AVS to clean the cages.  | \$1.02                 | \$1.53             |
| <b>Mouse Sterile</b> – Standard Husbandry plus autoclaved caging, water, bedding, sterile personal protective equipment (PPE) and instruments, HEPA-filtered microisolator cage tops  | \$3.61                 | \$5.63             |
| <b>Mouse Quarantine</b> – Standard Husbandry plus autoclaving of soiled cages, additional PPE, HEPA-filtered microisolator cage tops. Additional time charged to the closest quarter hour will be assessed for processing samples, additional supplies, and diagnostic tests. | \$2.54                 | \$3.96             |
| <b>Mouse ABSL2</b> – Standard Husbandry plus autoclaving of soiled cages, additional PPE, HEPA-filtered microisolator cage tops   | \$2.54                 | \$3.96             |
| <b>Mouse ABSL3</b> -Mouse ABSL2 rate plus additional charges described in note (5) below  | \$2.54                 | \$12.70            |
| <b>Mouse Chemical Hazard</b> – Standard Husbandry plus hazard waste handling of soiled cages and trash, additional PPE, HEPA-filtered microisolator cage tops   | \$2.06                 | \$3.21             |
| <b>Rat Conventional IVC</b> – Standard husbandry See note (4) below   | \$2.28                 | \$3.57             |
| <b>Rat Breeder IVC</b> – Rat Conventional IVC plus replacement cost of Seal Safe filters for cage tops  | \$3.50                 | \$5.48             |
| <b>Rat Metabolic Cage</b> - Standard husbandry plus additional time charged to the closest quarter hour will be assessed for AVS to clean the cages.  | \$2.28                 | \$3.57             |
| <b>Rabbit Cage</b> – Standard Husbandry plus hay, fresh produce, water intake measurements, monthly rack sanitation, pan changes 3X/week, nail trimming as needed, special enrichment   | Contact AVS            | Contact AVS        |
| <b>Guinea Pig IVC (1/cage)</b> – Standard Husbandry plus hay, fresh produce, water intake measurements, cage changes a week up to three times per week, special enrichment  | Contact AVS            | Contact AVS        |

|  |             |             |
|--|-------------|-------------|
| <b>Guinea Pig ABSL2 IVC (1/cage)</b> – Guinea pig Standard Husbandry plus autoclaving of soiled cages, additional PPE, HEPA-filtered microisolator cage tops | Contact AVS | Contact AVS |
| <b>Procedure Room Use</b>  | No charge   | \$42/hr     |

**SPECIAL SERVICES NOT INCLUDED IN PER DIEM RATES – effective April 1, 2022**

(1) (Published 9/1/21, ABSL3, special services rate rev. 10/22/2021, IACUC fees rev 4/1/22)

| <b>Special Services</b>  | <b>Service Fees</b>      |                            |
|--|--------------------------|----------------------------|
|  | <b>UH Affiliated (2)</b> | <b>Non-UH External (3)</b> |
| <b>Animal Care Staff</b>   |                          |                            |
| Euthanasia Requests  | \$31/hr                  | \$48/hr                    |
| Animal Transfers/Exports (Personnel Time)  | \$36/hr                  | \$56/hr                    |
| Animal Transfers Oahu Ground Transportation  | \$52/trip                | \$102/trip                 |
| Animal Exports Off Island Transportation   | Contact AVS              | Contact AVS                |
| Breeding and Colony Maintenance  | \$31/hr                  | \$48/hr                    |
| Expedited/Emergency Special/Services Requests  | \$31/hr                  | \$48/hr                    |
| Expedited ABSL3 Autoclave Requests (during normal business hours Monday-Friday, 8:00 a.m. - 4:30 p.m., excluding holidays; last autoclaving of the day at 2:30 p.m.) | \$31/hr                  | \$48/hr                    |
| Laundry Services   | \$31/hr                  | \$48/hr                    |
| Vivarium Escort  | \$31/hr                  | \$48/hr                    |
| Research Assistance  | \$31/hr                  | \$48/hr                    |
| Room Clean up (above standard husbandry)   | \$31/hr                  | \$48/hr                    |
| <b>Animal Order Fee – 1<sup>st</sup> line in order</b>   | \$40                     | \$62                       |
| <b>Animal Order Fee - subsequent animal line order in same submission (max 3 additional lines)</b>   | \$13/line                | \$20/line                  |
|  |                          |                            |
| <b>Supply Order/Service Fee</b>  | \$25/order               | \$39/order                 |

|  |               |               |
|--|---------------|---------------|
|  |               |               |
| <b>Incident Cost Recovery</b> – see AVS for more information |               |               |
| Overcrowded Cage Separation                                  | \$31/cage     | \$48/cage     |
| Carcass Disposal – non-animal items found in carcass bag     | \$60/incident | \$97/incident |

|   | <b>Service Fees</b>      |                            |
|---|--------------------------|----------------------------|
| <b>Special Services</b>   | <b>UH Affiliated (2)</b> | <b>Non-UH External (3)</b> |
| Additional Procedures and Animal Room Cleaning  | \$31/hr                  | \$48/hr                    |
| O2 Gas Line Left Open, may vary depending on current cost of cylinder.  | \$84/incident            | \$131/incident             |
| CO2 Gas Line Left Open, may vary depending on current cost of cylinder  | \$144/incident           | \$225/incident             |
| O2/CO2 Emergency Delivery Charge (in addition to “Gas Line Left Open” charge)                                     | \$254/delivery           | \$396/delivery             |
|   |                          |                            |
| <b>Veterinary Care</b> (see Request for Special Services Memo revised 09/17/09)                                   | \$81/hr                  | \$127/hr                   |
| Veterinary Semiannual Facility Review (5)   | No charge                | \$113/hr                   |
| Veterinary Semiannual Facility Review ground transportation on Oahu (6)   | TBD                      | \$100/trip                 |
| Veterinary Semiannual Facility Review Off island travel expenses (7)  | Contact AVS              | Contact AVS                |
| Necropsy and Processing Samples for Histology (does not include diagnostic laboratory fees for reading histology) | \$81/hr                  | \$127/hr                   |
|   |                          |                            |
| <b>Veterinary Technician</b>  |                          |                            |
| Colony Management   | \$36/hr                  | \$56/hr                    |
| Quarantine diagnostic sampling  | \$36/hr                  | \$56/hr                    |
| Research Assistance   | \$36/hr                  | \$56/hr                    |

**NON-UH AFFILIATED FEE SCHEDULE FOR SERVICES PROVIDED BY THE UH  
ANIMAL CARE AND USE PROGRAM(1, 3)**

(Published 9/1/21, ABSL3, special services rate rev. 10/22/2021, IACUC fees rev 4/1/22)

| <b>Services</b>  | <b>Non-UH<br/>External (3)</b> |
|--|--------------------------------|
| <b>IACUC Services</b>  |                                |
| IACUC Protocol Review (8)  | \$2,625/3 years                |
| IACUC Protocol de novo Review (9)  | \$2,625/3 years                |
| IACUC Semiannual Facility Inspection (10)  | \$270/inspection               |
| IACUC Semiannual Inspection Transportation on Oahu (11)  | \$110/inspection               |
| IACUC Semiannual Inspection Travel Expenses Off Island Sites (12)  | TBD                            |
|  |                                |
| <b>Veterinary Semiannual Facilities Review</b> – see Veterinary Care, Veterinary Semiannual Facility Review, Non-UH External Rates above |                                |
|  |                                |
| <b>Husbandry Services</b> – see Husbandry Per Diem Services, Non-UH External Rates above   |                                |
|  |                                |
| <b>Special Services Not Included In Per Diem</b> – see Special Services Not Included In Per Diem, Non-UH External Rates above            |                                |

**Notes:**

- (1) Fees are subject to change based on cost of living adjustments. For planning purposes **estimate a 5% increase per year**. Hourly service fees for personnel time are charged in 15 minute increments, minimum 15 minutes.
  
- (2) Criteria used for UH-affiliated animal activities include:
  - a) The grants/contracts associated with the activity are processed through Office of Research Services (ORS) or are funded by a direct appropriation of the UH (e.g. USDA) to cover research, training or outreach activities that include the vertebrate animal activity.

OR

  - b) A faculty whose research activities are supported by his/her UH academic unit or UH start up. Please provide a UH account or UH funding type that supports the vertebrate animal activity described in the IACUC protocol.

OR

  - c) The faculty is performing curriculum instruction, training or outreach involving animal activities on behalf of the UH as described in the IACUC protocol, but not covered by a grant/contract or direct appropriation.
  
- (3) A Memorandum of Understanding between the University of Hawaii, Office of Research Compliance and the Non-UH affiliated entity is required and payment must be received

in advance prior to any services provided by the UH. Non-UH External per diem and special services rates include the current Indirect F&A rate for research on the Kakaako campus.

(4) Standard husbandry per diem includes aspen hardwood bedding, irradiated feed, reverse osmosis water (Kaka'ako only), up to two times a day cage observations, environmental enrichment, nestlets for nursing female mice and rats, cage changes (1-2 adult mice every 4 week; 3-7 adult mice or mice with litters every 2 weeks; charges for additional cage changing may be assessed), weekly water bottle changes, facility and rack sanitation, cage wash services, carcass and waste disposal, vivarium supplies, animal and supplies receiving, sentinel health monitoring, vivarium orientation training, demonstration of proficiency certifications, training for animal manipulations, veterinary supply inventory, record keeping, veterinary staff health assessments and treatments, Topaz/Granite census and financial management, occupational health and safety training. **Unanticipated disease outbreak clean-up** costs will be covered by per diem, unless the outbreak is a result of breaches in SOPs. The latter will be charged back to the Principal Investigator. **Diabetic mice** maximum housing density 3 adults per cage. **Room cleaning for clutter and messes left behind by researchers** will be an additional charge.

(5) **Mouse ABSL3 rate:** In addition to the mouse ABSL2 rate, AVS will charge the hourly Senior Technician rate, to the closest quarter hour, for processing soiled cages, handling waste stream of cages and carcasses, disinfecting the biological safety cabinet (BSC) and floors at the end of study and/or after handling cages. Weekly oversight of the husbandry in the ABSL3. For activities involving a buddy system, AVS will charge for two staff. AVS will do daily ABSL3 freezer checks.

ABSL3 researchers who are certified to work in the ABSL3 will do daily health checks and transfers mice to clean cages during the study. PI will provide all specialized PPE and pay for Isocage rack accessories. Does daily ABSL3 autoclave checks. Coordinates decontamination of the ABSL3 with appropriate UH entities.

(6) Semiannual veterinary reviews of study areas using vertebrate animals as described by the UH Animal Welfare Assurance. Provides oversight for activities involving animals for the UH's Animal Care and Use Program in complying with the Guide for the Care and Use of Laboratory Animals, 8<sup>th</sup> edition, Animal Welfare Regulations, and other federal, state and local requirements. More frequent inspections may be required due to veterinary care and/or program deficiencies. In addition to semiannual veterinary reviews, the facilities/sites may be required to pay for additional reviews and/or expenses associated with increased oversight.

(6, 11) Ground transportation which may include car rental, gas for car rental, mileage to and from the airport at the Federal Allowable Rate (FAR), and airport parking.

(7, 12) Round trip airfare, ground transportation, parking, mileage, per diem/meals and incidental expenses.

(8) The IACUC protocol review covers any reviews and/or amendments per protocol for a three-year period. Payment is required in advance of review.

(9) Upon conclusion of the three-year approval period, if the non-UH entity intends to continue work at UH, a new full IACUC protocol re-submission is required for de novo review by the IACUC. Payment is required in advance of review.

(10) IACUC semiannual reviews are required by federal law. More frequent inspections may be required due to facility and/or program deficiencies. The Non-UH entity is required to pay for additional inspections and/or expenses associated with increased oversight.