

IACUC Policy on Equipment Maintenance and Calibration (Biomedical and Neurobehavioral Vivaria)

IACUC Approved: 11/19/15	Other Approvals:
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The USDA Animal Welfare Act and Animal Welfare regulations § 2.33 Attending veterinarian and adequate veterinary care require: Each research facility shall establish and maintain programs of adequate veterinary care that include the availability of appropriate facilities, personnel, **equipment**, and services to comply with the provisions of this subchapter. Failure to maintain such standards could result in adverse effects for animals undergoing research and teaching.²

Equipment (used in engineering controls) should be certified and monitored to ensure that it is capable of providing the necessary protection and maintaining adequate performance. Irradiators and diagnostic X-ray machines are commonly used in research settings. Appropriate training or personnel and personal protection should be provided. Preventative maintenance of equipment is also critical to safe operations.²

Appropriate methods should be used for assessing and monitoring exposure to potentially hazardous biologic, chemical and physical agents where required or where the possibility of exceeding permissible exposure limits exists.³

The University of Hawaii IACUC requires the following:

- All equipment used in animal research must undergo regular maintenance and/or calibration verification by a professional service technician as recommended by the manufacturer.
- All service events are required to be documented in a designated record file or log book. The lab manager or designee must acknowledge each service event by signature and date.
- Records must be available upon request during routine inspections by such entities as IACUC, EHSO, PAM, UH Veterinarians, etc.

References:

1. Animal Welfare Act and Animal Welfare Regulations, United States Department of Agriculture, 2013
2. Occupational Health and Safety in the Care and Use of Research Animals, National Research Council, 1997, National Academy Press, Washington, DC
3. The *Guide* for the Care and Use of Laboratory Animals, National Research Council, 2011, National Academy Press, Washington, DC