

AUBURN UNIVERSITY

Institutional Animal Care and Use Committee (IACUC)

Policy on the Maintenance of Anesthesia Equipment

Anesthesia machines and vaporizers must be in good working condition in order to ensure that the appropriate percentage of anesthetic is being delivered.

IACUC policy requires that all equipment associated with the delivery of inhalant anesthetics be evaluated regularly to assure its proper function and integrity. Anesthetic vaporizers must periodically have the calibrations verified by a professional as recommended by the manufacturer; when manufacturer recommendations are unknown or not available, equipment should be inspected at least annually and calibrated as necessary.

1. **Anesthetic Equipment:** Before each use, the vaporizer and other components should be inspected by the user to ensure that all components are correctly set up. Vaporizers must be tested at least annually by an authorized anesthetic machine service provider to verify accuracy of calibration. If the verified anesthetic delivery is > 10% out of calibration, the unit should be serviced by an authorized service provider.
2. **Documentation:** Vaporizers should have a certificate of the calibration date affixed directly to the machine/vaporizer after each service. In addition, written manufacturer's recommendations for service of vaporizer systems (if available) should be kept in the laboratory and all research staff should be familiar with them.

ADOPTED: December 18, 2012

REAFFIRMED: October 4, 2021