IACUC GUIDELINE FOR VAPORIZER CALIBRATION

To ensure proper functioning and the safety of personnel, equipment used in animal research must be properly maintained.

The University of Pennsylvania IACUC requires that anesthetic vaporizers used in animal research be calibrated at a minimum of *every two years*. Calibration may need to be performed more frequently with high levels of use or in event of suspected equipment problems.

The calibration dates will be checked during facility inspections and/or during inspections by the Office of Regulatory Affairs compliance staff. Service providers provide records of calibration and/or maintenance that should be maintained to document compliance with this guideline.

To accommodate the investigators at The University of Pennsylvania, the Department of Anesthesiology and Critical Care offers vaporizer calibration service for anesthetic vaporizers used in animal research at the University of Pennsylvania. Details can be found on the Anesthesiology and Critical Care Department webpage [http://www.uphs.upenn.edu/dripps/#](http://www.uphs.upenn.edu/dripps/#). Follow the "Research" link and scroll down to the "Services" area - there is a link to the "Vaporizer Calibration for Anesthetic Vaporizers in Animal Laboratories" area.

Other services can be used for calibrating the vaporizers. The following service is routinely used at the University of Pennsylvania as well: Systems Specialties, Inc. (215-443-9293).