University Of Vermont

Institutional Animal Care and Use Committee

Initial Approval:

Re-reviewed and Revised: 10/22/18

**Anesthesia Machine Certification Policy**

Adapted from OACM’s Maintenance of Anesthesia Machine with F/Air Canister Filter SOP

**POLICY**

Each piece of equipment involved in the delivery of inhalant anesthetics and removal of waste gasses must be evaluated regularly to ensure its proper function and integrity. Tubing, hoses and rubber items are common areas of concern and should be periodically checked and replaced as needed.

Vaporizers:

* 1. Anesthesia machines must be maintained in good working condition to assure optimal agent delivery in a safe manner.
  2. Vaporizers will be certified at least once a year by [TSP (Technical Service Program)](http://its.uvm.edu/tsp/Services/services.html) or as needed.
  3. Vaporizers must have the certification date affixed to the machine after each service.

Waste Gas Scavenging Systems:

Waste gas scavenging systems, both active and passive, must be maintained according to manufacturer’s instructions to ensure that they are working properly. Visit <http://www.uvm.edu/safety/lab/anesthetic-gas-use> for more information.

Low profile masks are recommended for use as they are designed for a tighter fit when used with mice and rats. This decreases the likelihood of anesthesia fumes escaping.