






OFFICE OF LABORATORY ANIMAL CARE

Operating Guidelines

OG Number:	704	Isoflurane Anesthesia Machine Maintenance	Revision #:	0
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Procedures

1. Anesthetic vaporizer:
 - a. OLAC anesthetic vaporizers will be calibrated and inspected annually by qualified personnel (e.g., VetEquip Inc. or other authorized service center).
 - Contact Nichole@vetequip.com and request annual service
 - Available dates will be provided via email
 - b. A member of the vet staff will evaluate service records immediately after service.
 - c. Remove any isoflurane anesthesia machine from service that is not calibrated or functioning properly until it has been repaired and certified by the authorized dealer.
 - d. Keep vaporizer calibration and service records for the life of the machine in the binder labeled VetEquip in the AHT office.
2. CO₂ absorbers (e.g., SodaLime/Baralyme):
 - a. Wear appropriate PPE when handling SodaLime/Baralyme (gloves and mask)
 - b. Change CO₂ absorbers immediately when the granules turn violet during use. It is acceptable to wait until the anesthetic procedure is completed.
 - c. After changing CO₂ absorber, label the canister with a piece of tape and write the date the CO₂ absorber was changed. Additionally, draw two boxes next to the date to keep track of the number of anesthetic procedures.
 - d. During an anesthetic procedure, check one of the boxes on the canister to indicate the CO₂ absorber has been used for one procedure.
 - e. Once both boxes on the label are checked, change CO₂ absorber after anesthetic procedure.

3. F-Air Canisters:

- a. Weigh each canister before use.
- b. Record the weight and date on the side of the canister.
- c. Discard any canister which has reached the weight gain limit specified by the manufacturer (e.g. 50 grams from the initial weight).

REVISION HISTORY			
REVISION NUMBER	AUTHOR(S)	EFFECTIVE DATE	REVISION(S)