

**SEATTLE CHILDREN'S RESEARCH INSTITUTE  
OPERATING POLICIES / PROCEDURES**

**DEPARTMENT:** Institutional Animal Care and Use  
Committee  
**POLICY NUMBER:** IACUC-037  
**REPLACES:**  
**EFFECTIVE DATE:** June 10, 2005  
**REVISION DATE:** March 25, 2011  
**POSTED FROM:**

**TITLE:** USE OF TRIBROMOETHANOL (AVERTIN)

**SUMMARY:**

Unless strongly justified in the animal care and use protocol, use of tribromoethanol (Avertin) is restricted to mice and rats for a single survival anesthesia or terminal/acute use. The goals of this policy are to reduce threats to animal health and reduce interference that may alter experimental outcomes.

**POLICY/PROCEDURE:**

- 03-1 Justification must be provided for the use of Avertin, rather than a commercially available anesthetic, to receive IACUC approval.
- 03-2 A description of the preparation of the formulation must be provided.
- 03-3 A confirmation that each preparation of the formulation will be initialed and dated by the preparer must be given.
- 03-4 A description of the dosages that will be administered must be provided.
- 03-5 A description of how the preparation will be maintained for a two week period must be provided.
- 03-6 A confirmation that each preparation of the formulation will be discarded after two weeks must be given.

## References

1. Papaioannou, VE and Gox, JG. Efficacy of Tribromoethanol Anesthesia in Mice. *Laboratory Animal Science*, 1993. April, 43(2): 189-192.
2. Zeller, WM; Burki, G; and Panoussis, B. Adverse Effects of Tribromoethanol as Used in the Production of Transgenic Mice. *Laboratory Animal Science*, 1998. October, 32(4): 407-413.
3. Kohn, DF; Wixson, SK; White, WJ; and Benson, GJ. *Anesthesia and Analgesia in Laboratory Animals*, 1997.

Submitting Office: Office of Institutional Assurances

Approved by:

\s\ Anne Clancy, IACUC Chairperson, 4/20/2011

\s\ William R. Morton, VMD, Attending Veterinarian, 4/20/2011

\s\ Mason Craig Bailey, Manager/Office of Animal Care, 4/19/2011