I/II. SCOPE/PURPOSE:

The purpose of these guidelines is to provide standardized practices for the preparation, storage, and use of tribromoethanol. Tribromoethanol is a non-pharmaceutical-grade anesthetic used for some short surgical procedures in mice and occasionally other rodent species. Improper preparation, storage, or use can result in increased animal morbidity and mortality.

III. REFERENCES:

Formulary For Laboratory Animals, 3rd Edition; Hawk, Leary, & Morris; Blackwell Publishing, 2005

IV. DEFINITIONS:

TBE: tribromoethanol; previously marketed as Avertin®.

Stock solution: typically, a 100% solution (1 g/mL) of TBE used for preparation of the working solution.

Working Solution: typically, a 1.25-2.5% solution (12.5-25 mg/mL) of TBE that is prepared from the stock solution to be then used in the animal.

V. GUIDELINES:

A. Preparation

1. Store and use under sterile conditions: includes the use of filtering the solution through a 0.2 micron filter during preparation as well as placing the solution into a sterile container.

B. Storage

1. Protect from light: store solution in an amber bottle or foil-covered container.
2. Store stock and working solutions at 4°C.
3. Label all containers with material name, concentration, date prepared and expiration date, and the initials of the person making the solution.
4. Expiration Dates:
   i. Stock solution - unused portions should be discarded after 6 months.
   ii. Working solution - unused portions should be discarded after 60 days.

C. Use

1. Recommended dosages: mouse - 250 mg/kg, i.p.

VI. APPROVAL

August 21, 2008

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