

Institutional Animal Care and Use Committee

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

IACUC Approved Recipe for Inactin

This recipe provides a very stable, long duration anesthesia and should only be used for terminal experiments. The dosages listed allow very long (8 – 10 hour) anesthesia with excellent cardiovascular reflexes and adequate respiratory reflexes. The animals do lose much of their thermoregulation and need to be heated with a warming pad at 37°C.

INGREDIENTS

- 100 mg sterile powder
 - 4 ml sterile saline
1. Dissolve Inactin powder in saline.
 2. Follow guidance on filtration and preparation detailed in the IACUC Policy Statement on Use of Non-Pharmaceutical-Grade Chemicals and Compounds.

ROUTES OF INJECTION

- 100 mg/kg IP
- 100 mg/kg IV
- Intramuscular injection is to be avoided and is very painful.

NOTES

- Can keep reconstituted Inactin in freezer at -20°F. Thaw, vortex and use same day.
- Combination of Inactin (50 mg/kg, IP) and Ketamine (30 mg/kg, IM) can be used.

CAUTION

- Inactin is extremely basic and pH of 10 or higher is likely.
- Does not last more than a day after being put in solution. New solutions must be made up daily.