

Benzocaine Immersion Anesthesia for Frogs

Supplies: Benzocaine powder
95% Ethanol
100 ml flask or bottle with a tight fitting lid
Scale
100 ml cylinder or beaker
Nitrile gloves

Procedure:

1. Wear Nitrile gloves when working with Benzocaine.
2. Weigh out 10 grams Benzocaine powder.
3. Measure 100 ml of 95% Ethanol and place into the bottle.
4. Add the Benzocaine powder to the Ethanol and dissolve.
5. Cap tightly and store at 4°C in the refrigerator.
6. Label as Benzocaine Stock Solution.
7. Use 1 ml of Stock solution in 1 liter of tap water for anesthesia of frogs.
8. Immerse frog in diluted Benzocaine solution to effect. Remove and assess depth of anesthesia by noting toe pinch response and breathing rate.
9. Discard diluted Benzocaine after use.