

Amphibian Ringer's Solution

Learn how to make amphibian Ringer's solution.

Materials

Potassium Chloride (item #882910)
Sodium Chloride (item #888880)
Calcium Chloride (item #851840)
Sodium Bicarbonate (item #888360)
Distilled Water (item #858621)
Glass Bottle (item #716292)
Stir Bar
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 1,000-mL (item #731031)
Graduated Cylinder (item #721744)
Label

Don't want to make it yourself?
Find amphibian Ringer's solution at Carolina.com

Item Number
886503

Procedure

1. Dissolve the following into 1 L of distilled water:
 - a. Potassium chloride (0.14 g)
 - b. Sodium chloride (6.50 g)
 - c. Calcium chloride (0.12 g)
 - d. Sodium bicarbonate (0.20 g)

Notes

- Prepare immediately before use.

Label Information

Ringer's Solution

Date Prepared: _____
Initials of Preparer: _____
Health Risk: 0
Flammability: 0
Reactivity: 0

Applications

Ringer's solution is used as mounting fluid for living tissues and for examination of blood cells. Preparation, particularly the amount of salts, varies depending on the animal to be examined.

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 155.