

Carolina™ Solution Sheets

Methyl Violet 2B

Learn how to make methyl violet 2B solution, used for staining and as a pH indicator.

Materials

Sodium Chloride, 0.85% (item #888933)
Methyl Violet 2B (item #875600)
Glacial Acetic Acid (item #841298)
Glass Bottle (item #716292)
Stir Bar
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 100-mL (item #731028)
Graduated Cylinder (item #721744)
Label

Procedure

Mix the following together: 100 mL of sodium chloride solution, 0.05 g of methyl violet, and 0.02 mL of glacial acetic acid.

Label Information

Methyl Violet 2B
Date Prepared: _____
Initials of Preparer: _____
Health Risk: 2
Flammability: 1
Reactivity: 1

Applications

Methyl violet 2B solution is used to stain amphibian or human blood cells. When used as a pH indicator, its range is 0.1 (yellow) to 2.7 (violet).

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 171.