

Cresol Red

Learn how to make cresol red solution and its pH range.

Materials

Cresol Red Powder (item #856053)
Ethyl Alcohol, 95% (item #861282)
Stir Bar
Amber Bottle
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 500-mL (item #731030)
Label

Procedure

1. Mix 0.04 g of cresol red powder with 100 mL of 95% ethyl alcohol.

Label Information

Cresol Red, 0.04%
Flammable
Date Prepared: _____
Initials of Preparer: _____
Health Risk: 1
Flammability: 1
Reactivity: 1

Applications

Cresol red is used as an indicator, turning from yellow at pH 7.2 to red at pH 8.8.

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 158.