

Sudan III

Learn how to make Sudan III stain and use it to identify fats.

Materials

Sudan III (item #892950)
Anhydrous Ethanol (item #861300)
Distilled Water (item #858621)
Glass Bottle (item #716292)
Stir Bar
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 100-mL (item #731031)
Graduated Cylinder (item #721744)
Label

Don't want to make it yourself?

Find Sudan III Herxheimer stain at Carolina.com

Item Numbers

892963, 892965

Procedure

1. Prepare a 2% stock solution of Sudan III in anhydrous ethanol.
2. Dilute the stock solution 1:1 with 45% ethanol just before use.

Label Information

Sudan III Stain

Flammable

Date Prepared: _____

Initials of Preparer: _____

Health Risk: 1

Flammability: 4

Reactivity: 2

Applications

Sudan III stains neutral fat red.

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 178.