

Seliwanoff's Reagent

Learn how to make Seliwanoff's reagent and use it to test for ketose sugars.

Materials

Resorcinol
Hydrochloric Acid (item #867870)
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 Seliwanoff's reagent at Carolina.com

Item Number
887365

Procedure

Dissolve 0.05 g of resorcinol in 100 mL dilute hydrochloric acid.

Label Information

Seliwanoff's Reagent

Corrosive

Date Prepared: _____

Initials of Preparer: _____

Health Risk: 3

Flammability: 0

Reactivity: 0

Applications

Seliwanoff's reagent is used to induce a reaction with sugars to test for the presence of ketose sugars. Such sugars turn bright red when heated with the reagent. This is often conducted for fructose and hydrolyzed sucrose.

Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 177.