

# Fehling's Solution 1/Fehling's Solution A

Learn how to make Fehling's solution part A and use it for testing sugars.

## Materials

Copper Sulfate (item #856589)  
Distilled Water (item #858621)  
Stir Bar  
Amber Bottle  
Magnetic Stir Plate (item #701023)  
Erlenmeyer Flask, 500-mL (item #731030)  
Label

**Don't want to make it yourself?**  
Find Fehling's solution A at [Carolina.com](http://Carolina.com)

**Item Number**  
862273

## Procedure

Mix 34.65 g of copper(II) sulfate with 500 mL of distilled water.

## Notes

- The solution should be a blue liquid.
- Fehling's solution A must be used in conjunction with Fehling's solution B for testing sugars.

## Label Information

### Fehling's Solution A

Date Prepared: \_\_\_\_\_  
Initials of Preparer: \_\_\_\_\_  
Health Risk: 2  
Flammability: 0  
Reactivity: 0

## Applications

Fehling's solution A is used to test for the presence of simple sugars. The presence of simple sugars is indicated by the precipitation of a yellow or reddish precipitate.

## Reference

Brandwein, P. F., and E. Morholt. 1986. *A sourcebook for the biological sciences*, 3rd ed. Orlando, FL: Harcourt Brace Jovanovich, 1986, p. 743.