

Carolina™ Solution Sheets

Bromphenol Blue

Learn how to make bromphenol blue solution and find out its pH range.

Materials

Distilled Water (item #858621)
Bromphenol Blue (item #849084)
Stir Bar
Amber Bottle
Magnetic Stir Plate (item #701023)
Erlenmeyer Flask, 500-mL (item #731030)
Label

Don't want to make it yourself?
Find bromphenol blue solution at Carolina.com

Item Number
849095

Procedure

To prepare a 0.04% aqueous solution:

1. Add 0.04 g of solid bromphenol blue to 100 mL of distilled water.
2. Stir or mix until the solid has fully dissolved.

Notes

- In general this solution is not sterilized.

Label Information

Bromphenol Blue, 0.04% Aqueous

Caution: Corrosive and toxic to body tissue

Date Prepared: _____

Initials of Preparer: _____

Health Risk: 0

Flammability: 0

Reactivity: 0

Applications

Bromphenol blue is an acid indicator that is useful for pH range 3.0 to 4.6. It changes from yellow at pH 3.0 to purple at pH above 4.6.

Reference

Rodgers, L., and J. Roskams, eds. 2002. *Lab ref: A handbook of recipes, reagents, and other reference tools for use at the bench*. New York: Cold Spring Harbor Laboratory Press, 2002, p. 70.