DEC 12, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.baf4ibqw

Protocol Citation: Andrea Sweigart 2019. Lactophenol-aniline blue solution.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.baf4ibqw>

MANUSCRIPT CITATION:
 Kearns, CA and Inouye, DW. Techniques for Pollination Biologists. University Press of Colorado. 1993. pp. 111-111.

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working
 We use this protocol and it's working

Created: Dec 12, 2019

Last Modified: Dec 13, 2019

PROTOCOL integer ID:
 30940

Lactophenol-aniline blue solution

Andrea Sweigart¹

¹University of Georgia

Mimulus

Makenzie Whitener

ABSTRACT

Lactophenol-aniline blue recipe

GUIDELINES

Wear gloves and prepare in the hood.

MATERIALS

MATERIALS

- ☒ Water **Contributed by users**
- ☒ Phenol **Contributed by users**
- ☒ Glycerine/Glycerol **Contributed by users**
- ☒ Lactic Acid (85% v/v) **Contributed by users**
- ☒ 1% aqueous aniline blue **Contributed by users**

STEP MATERIALS

- ☒ Water **Contributed by users**
- ☒ Lactic Acid (85% v/v) **Contributed by users**
- ☒ Phenol **Contributed by users**
- ☒ Glycerine/Glycerol **Contributed by users**
- ☒ 1% aqueous aniline blue **Contributed by users**

SAFETY WARNINGS

Please refer to the MSDS for further safety details

Keywords: pollen, staining,
lactophenol, blue

Make Lactophenol

1

To make 100 mL of stock Lactophenol:

Combine:

20 mL

Phenol **Contributed by users**

40 mL

Glycerine/Glycerol **Contributed by users**

20 mL

Water **Contributed by users**

20 mL

Lactic Acid (85% v/v) **Contributed by users**

Lactophenol-aniline blue recipe

2

To prepare 100 mL working solution, combine:

100 mL stock Lactophenol

1 mL to 5 mL

1% aqueous aniline blue **Contributed by users**