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

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0.1% Cresyl Violet Stain (pH 4.3)

In 2 collections

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MATERIALS

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EMD Millipore™ Ultrapure Water for Molecular Biology **Emd Millipore Catalog #09-739-011**

Cresyl Violet acetate pure high purity biological stain **Contributed by users Catalog #AC229630050**

Acetic Acid Glacial **Contributed by users Catalog #A38-212**

STEP MATERIALS

Cresyl Violet acetate pure high purity biological stain **Contributed by users Catalog #AC229630050**

Acetic Acid Glacial **Contributed by users Catalog #A38-212**

SAFETY WARNINGS

Signal Word: **Warning**

Hazard Statements: **Causes skin irritation; Causes serious eye irritation; May cause respiratory irritation**

- *Prevention:* Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area
- *Inhalation:* IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell
- *Skin:* IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse
- *Eyes:* IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
- *Storage:* Store in a well-ventilated place. Keep container tightly closed Store locked up
- *Disposal:* Dispose of contents/container to an approved waste disposal plant

Solution Prep

1 Measure 500 mL of ddH₂O or molecular grade H₂O and pour into a glass beaker

2 Aliquot 0.5 g of cresyl violet acetate into the glass beaker from the above step

Cresyl Violet acetate pure high purity biological stain **Contributed by users Catalog**
#AC229630050

Safety information

Causes skin irritation

May cause respiratory irritation

Causes serious eye irritation

- Put a magnetic stir bar into the glass beaker (containing H₂O and cresyl violet acetate) and place on a hot plate at 100 °C and stir until cresyl violet is dissolved

Note

Allow solution to come to room temperature once cresyl violet is dissolved

pH

- Test the pH of the solution. Add glacial acetic acid dropwise until the desired (pH 4.3) is achieved

Acetic Acid Glacial **Contributed by users Catalog #A38-212**

Filter

- Pour the contents of the 0.1% Cresyl Violet solution through a sterile membrane filter into a light sensitive jar and close lid