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# 0.1% Cresyl Violet Stain (pH 4.3)

In 1 collection

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1 Works for me
[dx.doi.org/10.17504/protocols.io.wcjfaun](https://dx.doi.org/10.17504/protocols.io.wcjfaun)

SPARC

## MATERIALS

NAME	CATALOG #	VENDOR
EMD Millipore™ Ultrapure Water for Molecular Biology	09-739-011	Emd Millipore
Cresyl Violet acetate pure high purity biological stain	AC229630050	
Acetic Acid Glacial	A38-212	

## STEPS MATERIALS

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## 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 ddH<sub>2</sub>O or molecular grade H<sub>2</sub>O 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  
Catalog #: AC229630050



Causes skin irritation  
May cause respiratory irritation  
Causes serious eye irritation

- 3 Put a magnetic stir bar into the glass beaker (containing H<sub>2</sub>O and cresyl violet acetate) and place on a hot plate at  **100 °C** and stir until cresyl violet is dissolved



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

pH

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



Acetic Acid Glacial  
Catalog #: A38-212

Filter

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



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