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Mowiol mounting media

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Protocol status: Working

We use this protocol and it's working

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Abstract

This makes a low cost mounting media that preserves many fluorescent dyes very well. It is a non-hardening media.

This protocol first published in Cold Spring Harbor Protocols.

Materials

MATERIALS

⊗ Glycerol **Merck MilliporeSigma (Sigma-Aldrich) Catalog #G5516**

⊗ 0.2 M Tris Buffer pH 8.5 **Merck MilliporeSigma (Sigma-Aldrich) Catalog #T1503-100G**

⊗ Mowiol® 4-88 **Merck MilliporeSigma (Sigma-Aldrich) Catalog #81381-50G**



- 1 1.Mix glycerol and Mowiol; dissolve with frequent agitation for 1 h at room temperature.
- 2 2.Add H₂O. Stir for 1 h at room temperature.
- 3 3.Add Tris-Cl. Incubate for 2 h at 50°C with occasional stirring (e.g., for 2 min every 20 min).
- 4 4.Centrifuge at 5000*g* for 15 min.
- 5 5.Store 3-mL aliquots of the supernatant for up to 12 mo at -20°C.
Mowiol often does not dissolve completely.