

Toluidine Blue Stain (Electron Microscopy Sciences (EMS) style)

Materials

Sodium Borate Tetra (EMS, CAT #21130)

Toluidine blue O (EMS, CAT #22050)

Distilled water

150 ml beaker

magnetic stir plate and bar

0.2 micron Bottle Top Filter (Fisher Scientific, CAT #09-761-125)

Procedure

1. Combine the following ingredients in order in a 150 ml beaker:
 - 1g sodium borate tetra
 - 100 ml distilled water. Stir until dissolved.
 - 0.5-0.7 g of a toluidine blue
2. Filter the above prior to use.
3. Store at room temperature.

Toluidine Blue Stain for light microscopy sections (Harvard EM facility style)

Procedure

Similar to above, use 1g of toluidine blue