

Osmium Tetroxide Fix with Cacodylate Buffer (Post Fix)

Warning: Osmium tetroxide is highly toxic and volatile and should be used and stored only in a chemical fume hood. Suggestions for safe handling of this compound may be found [here](#).

Materials required

Osmium Tetroxide Solution (2%, Electron Microscopy Sciences (EMS), CAT # 19900)

0.2 M Sodium Cacodylate buffer (pH 7.4, EMS, CAT #11650)

15 ml Centrifuge tube

In the chemical hood

1. Combine equal amounts of the 2% osmium tetroxide solution and the 0.2M cacodylate buffer in a clean 15 ml centrifuge tube.
2. Vortex gently.
3. Store in a fume hood at room temperature.

Final Concentrations: 1% osmium tetroxide in 0.1M cacodylate buffer.