0.2 N HEPES Protocol

Materials

- 150 mL beaker
- 100 mL nanopure water
- 4.7664 g HEPES powder (Sigma H4034)
- 2 N NaOH
- 5 N HCl
- pH meter
- 20 mL syringe
- syringe filter with porosity of 0.22 µm
- 50 mL centrifuge tubes

Procedure

1. Weigh out 4.7664 g HEPES powder.
2. Add HEPES powder to 100 mL nanopure water. Stir using a stir bar until dissolved.
3. While stirring, adjust pH of solution to 9.03 using NaOH and HCl. Record initial and final pH.
4. Wipe down hood with alcohol.
5. Label the centrifuge tubes with the following:
   - 0.2 N HEPES
   - Sterile
   - Date
   - Initials
6. Sterile filter solution in 25 mL aliquots into 4 50 mL centrifuge tubes using a syringe and syringe filter.
7. Store at 4°C.