

Preparation of 4% Paraformaldehyde in PBS (for ISH)

(Rivera lab)

Caution: Paraformaldehyde is highly toxic, avoid contact with skin, eyes or mucous membranes. Avoid breathing the powder during measuring and preparation.

1. Heat 90 ml of depc treated water to ~60 °C (can be put in 56 °C water bath).
2. Add 100 µl of 2 N NaOH.
3. Add 4.0 g of paraformaldehyde and stir.
4. Allow the solution to clear.
5. Add 10 ml of 10X PBS (depc treated)
6. Allow the solution to reach room temperature and then adjust the pH to 7.4 with 1N HCl.
7. Filter using a 0.2 µm syringe filter.
8. Prepare 5 ml aliquots in polypropylene tubes and store at -20 °C.