

# Sampling Protocol for Phytoplankton Collection

## GET IT TOGETHER:

- 125ml Nalgene HDPE bottles for formalin (Bouin's) preserved samples
- Prepared formalin (1:1 100% glacial acetic acid, 37 % formaldehyde) or Bouin's preservative (9%HCHO)
- 60ml widemouth working bottle for formalin preservative (only this amount to be stored in hood during cruise)
- DEAD pipetter (either repeater or one of the old Oxford ones) for dispensing formalin preservative (use gloves!)

## SAMPLE COLLECTION:

- Label each bottle with the consecutive sample number and/or CTD cast number and depth (where no consecutive sample number was used)
- For **Bouin's** (9% HCHO) preserved samples, add 4.4 ml preservative per 100ml sample with DEAD pipetter.  
125ml widemouth bottle volume at base of neck = 140ml, add **6.2ml B (or roughly 6 ml)**
- Cap bottle tightly and shake gently to ensure rapid fixation of phytoplankton.
- Store at low temperature (refrigerate or keep in cooler with freezer packs/ice). DO NOT FREEZE!
- Record samples information on log sheet

