

COLLECTION STANDARD OPERATING PROCEDURE CHLOROPHYLL A

I. Sample collection

- Samples are collected from the appropriate Niskin bottles into dark acid clean high-density polyethylene bottles (Fig. 1)



Figure 1 Collection from Niskin bottles

- A variable volume (200-1000 mL) is filtered under low vacuum in dim light onto Glass Fiber Filters (Whatman GF/F, 25 mm in diameter) (Fig. 2)



Figure 2 Filtration set up

- Filters are then folded using clean tweezers and placed in 1.2 mL cryovials, appropriately marked, and immediately frozen in liquid Nitrogen

II. List of material, equipment and supplies

- Vacuum pump
- Filtration system
- Whatman GF/F filters, 25 mm diameter
- Dark HDPE bottles
- Tweezers
- Dewar with liquid nitrogen