

DMR Phytoplankton Field Collection

Adapted from WHOI Whole Cell Sample Protocol for MPMP
Updated 031418 AHV

Label 50ml tube with date, time, PSPID, site name, volume of water sampled at each sample site.

Rinse out bucket at each new site (2-3 times) before sample collection.

Spray bottle should be filled with **filtered** seawater FSW.

Pour seawater from bucket through sieve and into spray bottle. Hold sieve at an angle to direct FSW into open spray bottle. Fill halfway. This can be used for all sample sites that day if kept on ice in cooler.

After FSW is collected, clean any remaining particles from sieve by spraying filtered seawater on each side of the sieve and funnel.

Collect 5L bucket sample from surface waters and pour through 20 μ m sieve. **DO NOT OVERFLOW OR SPILL!**

Repeat again for a 10L sample.

Invert sieve and hold over funnel attached to 50 ml tube. Spray mesh in sieve at close range and across the surface to loosen all particles on sieve while not exceeding 15ml on your sample tube.

- If sample is over/under 15ml note this on the field sheet
- If whole water sample is required fill 2L bottle with straight seawater.

Clean sieve with FSW.

Place in cooler, held away from ice and transport to lab.

Clean sieve with fresh water back at lab and store for next use.

