**EcoFoci Fall Mooring Cruise Sampling**

*eDNA filtering - Sample Numbers to*

*30-60 dive targets, 3 niskins per dive, 1 filter per niskin (100-200 samples in total)*

*Negative Control = START, 50, 100, 150, END*

**Materials**

Gloves (3 L boxes)

Table bench cloth

Safety goggles (1)

Zip ties (small/large)

String/Bungees

Writing utensils and labels/labeling supplies (in plastic bag)

Forceps/Razor Blades

Kim wipes (2 boxes)

Aluminum foil (1 box)

Notebook (1)

Paper towels (2 rolls)

Tupperware Storage Boxes

Ziplock bags (Box of 60)

Rite-N-Rain Paper

Trash bags

Lab coat

General:

**Toolkit #1**

* Hose clamps
* Electrical tape
* Work gloves (L)
* Wrenches/screwdrivers/pliers/snips
* Scissors
* Box cutter
* Eye bolts
* Headlamp
* Tape measure

Sterilization:

Buckets (4)

Bleach (2 gallons)

Filled RO carboy (2)

Bottle for RO water (sterilized + filled)

Bottle for ethanol

Bottle for bleach - prelabeled

eDNA Filtering:

Peristaltic pump

Pump accessory bag (charger, etc.)

221 sterivex filters (14 + partial boxes)

500 end caps (5 full boxes)

Whirlpaks (240)

1 L brown Nalgene bottles (Quantity: 32)

1 L brown Nalgenes bottles filled with RO (Quantity: 5)

Tubing (Quantity: 42)

95% ethanol (10 x 50 mL tubes)

95% ethanol (1, 500 ml)

P1000 and tips(5 boxes)

Female luer to ¼” barb connector

Syringes (1 box 60 mL, 1 box 5 mL)

Parafilm

Caulking gun (backup if pump fails)

50 mL falcon tubes (25)

Tube rack

Packing for way home:

Coolers/techni ice for sample storage

PPS Preparation:

150 mL and 100 mL syringe

Necessary Tubing

Container

Tool Kit + Communication Cable

Filters (small and large)