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A Mini Kreisel

ABSTRACT

Kreisels with circular flow patterns have always been the best types of housing for developing and planktonic forms. We have developed at NCSU, using a five gallon aquarium, small beta tank and available filters a kreisel that individuals can put together (with no tools except a hair dryer for tightening tubing) for about \$60.00. We have maintained small Ctenophores, Cnidarians and other invertebrates for as long or longer than our \$800.00 to 1200.00 larger commercial kreisels. Now everyone can have a small Ctenophore with iridescent combs feeding in their classroom

Materials:

Two Gallon tank with lid

Modified beta tank

Aquarium sealer

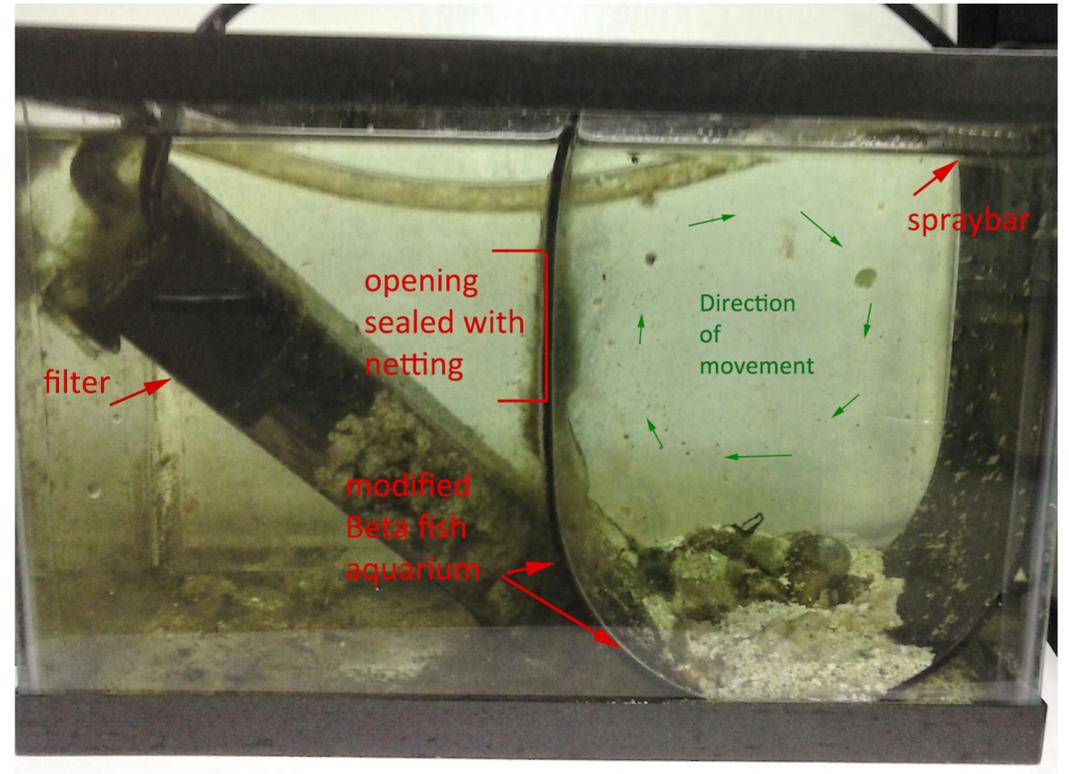
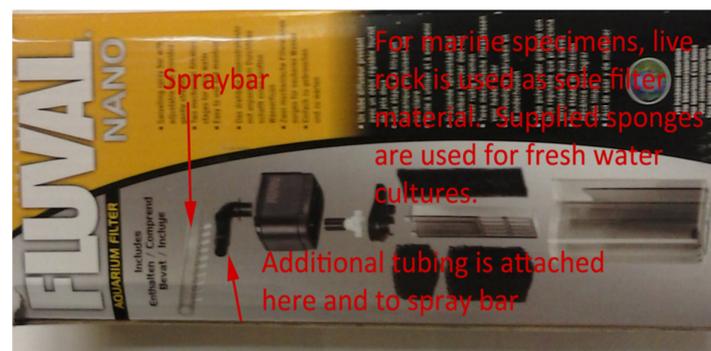
Insect netting

Hacksaw

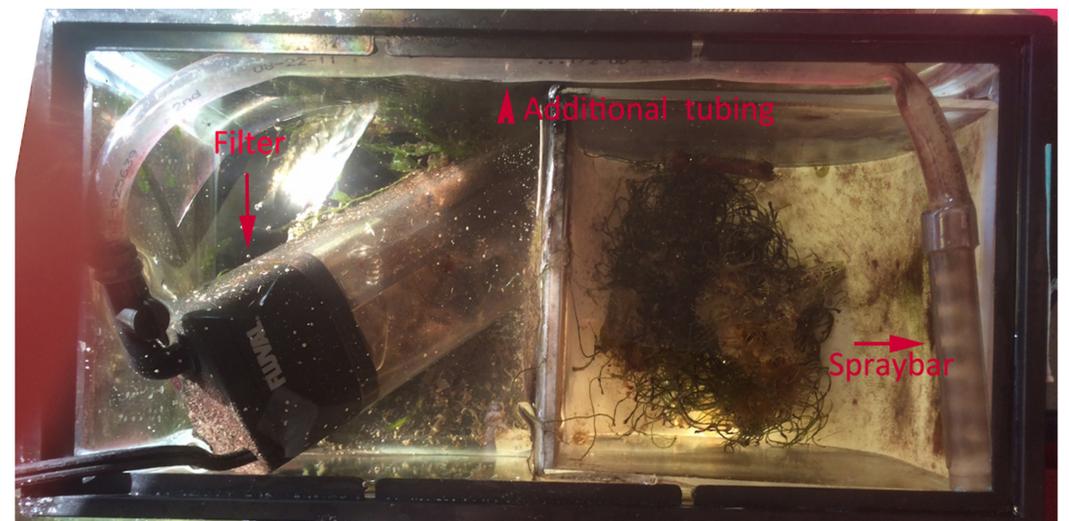


Small Filter
 with **spraybar**

Nylon tubing
 Hair dryer
 or nylon
 cable ties



Size, tank and spraybar (force and direction can be manipulated) orientation keep specimens away from wall and bottom of tank



Additional tubing allows spraybar to be removed from filter and be placed at opposite end of tank. Additional tubing must be "cemented" to filter and spraybar with hair dryer for a secure fit. Nylon cable ties will also work.

*Simple manipulation of spraybar relative to top of modified Beta tank can be used to alter direction of flow. **We still are working with the controls provided on our filters to better control force of flow.***

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