

Materials List for:

Cultivation of the Marine Pelagic Tunicate *Dolioletta gegenbauri* (Uljanin 1884) for Experimental Studies

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Materials

Name	Company	Catalog Number	Comments
Algal culture tubes (55 mL sterile disposable glass culture tubes)	Any	NA	For algal cultures
Autoclave	Any	NA	For sterilizing equipment and seawater for algal cultures
Beakers (2 L glass)	Any	NA	For sorting diluted plankton net tow contents
Buckets (5 gallon, ~20L)	Any	NA	For diluting contents of plankton net tow - should be seawater conditioned before first use
Carboys (20 L)	Any	NA	For storing seawater
Doliolid glass culturing jar (1.9 L narrow mouth glass jar with cap)	Qorpak	GLC-01882	Container for culture
Doliolid glass culturing jar (3.8 L narrow mouth glass jar with cap)	Qorpak	GLC-01858	Container for culture
Environmental Chamber (Temperature controlled environmental chamber)	Any	NA	To accommodate plankton wheel and culture maintenance
Filtration apparatus for 47 mm filters	Any	NA	For filtering seawater for cultures
Glass microfiber filters, 47 mm	Whatman	1825-047	For filtering seawater for cultures
Glass pipette (borosilicate glass pipette (glass tubing), OD 10mm, ID 8 mm, wall thickness 1mm)	Science Company	NC-10894	Custom cut and edges polished
Hose clamps, stainless steel, #104 (178 mm)	Any	NA	For holding culturing jars to the plankton wheel
<i>Isochrysis galbana</i> strain CCMP1323	National Center for Marine Algae and Microbiota (NCMA)	strain CCMP1323	For feeding doliolid cultures
L1 Media Kit, 50 L	National Center for Marine Algae and Microbiota (NCMA)	MKL150L	For culturing algae
Lamp (Fluorescent table lamp with an adjustable arm)	Any	NA	For illuminating doliolids in the jars and beakers
Lighted temperature controlled incubator	Any	NA	For algal cultures
Micropipettes and sterile tips (0-20 µl, 20-200 µl, 200-1000 µl)	Any	NA	For algal cultures
Plankton Net (202 µm 0.5 m, 5:1 length) with cod end ring and 4 L aquarium cod-end	Sea-Gear Corporation	90-50x5-200-4A/BB	For collecting living doliolids (see Figure 4)
Plankton Wheel	NA	NA	Custom built (see Figure 2)

Plastic wrap	Any	NA	To cover inside of lid of doliolid culture jars
Potassium Permanganate	Fisher Scientific	P279-500	Reagent for cleaning jars and glassware
Rhodomonas sp. strain CCMP740	National Center for Marine Algae and Microbiota (NCMA)	strain CCMP740	For feeding doliolid cultures
Rubber Tubing	NA	NA	For holding culturing jars to the plankton wheel (can be made from tygon tubing)
Sodium Bisulfite	Fisher Scientific	S654-500	Reagent for cleaning jars and glassware
Sodium Hydroxide	Fisher Scientific	BP359-212	Reagent for cleaning jars and glassware
Sterile serological pipettes (1 mL, 5 mL, 10 mL, 25 mL)	Any	NA	For algal cultures
<i>Thalassiosira weissflogii</i> strain CCMP1051	National Center for Marine Algae and Microbiota (NCMA)	strain CCMP1051	For feeding doliolid cultures
Tissue culture flasks (250 mL)	Any	NA	For algal cultures