## Protocol for Shipping Gametophyte Cultures

1.	1. Ensure your work area is clean and sterilize any surfaces that will be used with a generous amount of ethanol.	
2. Gather supplies:		
		Gloves
		Ethanol spray bottle
		Paper towels or kimwipes
		Permanent marker
		Media Vessel
		Pasteurized seawater
		F/2
		Dump vessel
		Parafilm
		Falcon or microcentrifuge tubes
		Tube rack
		Insulated shipping cooler or other cooler for shipping
3.	Ensure all su	upplies are sterile.
4.		ne fresh culture media with F/2 and pasteurized seawater. (Keep the media partially afilm to prevent slashes from contaminating it.)
5.	Remove the	culture from red light.
6.	5. Visually inspect the culture and make sure it is right to send.	
	<ul> <li>Contaminated cultures should not be sent for seeding purposes.</li> </ul>	
		ire sending a culture for seeding purposes and need it to be ready on arrival, you may need ditional preparation of the biomass before mailing. See "Preparing Biomass for Seeding"
		ly shipping a small tuft, use the pipette to move the biomass from the culture to the entrifuge tube.
	<ul> <li>Fill the</li> </ul>	tube to near the top, leaving enough space for the cap to snap without causing spillage.
	<ul> <li>Jump t</li> </ul>	o step 18 if you are only sending the small amount.
8.	pour out the	nding a larger amount of gametophytes, remove the top of the container and slowly water into the dump vessel; dump as much as possible. (Avoid dumping out any of the es and be mindful of the splash.)
9.	Pour or pipe	tte the appropriate amount of biomass into the labeled falcon tube.
10	. Top the tub	e and culture off with media.
11	. Replace the	caps of both the tube and culture.
12	. Return the o	culture to red light.
13	. Use a small	strip of parafilm to seal the falcon tube.
	• They so	ometimes leak and the parafilm will prevent any major spillage
14	. Refill the cu	lture with fresh media with F/2.
15	. Replace the	top back on the culture.
16	Maka aura t	the label on the culture is clear and legible; touch it up if it isn't





- 17. Record the water refreshment in a culture maintenance data sheet.
- 18. Put the tubes in a tube rack and pack in a well-insulated cooler with ice packs.
  - The ice packs should not directly touch the sides of the falcon tubes.
  - The ice packs should be placed on the top and the bottom of the package for best results.
- 19. Add extra packing material to make sure everything is snug.
- 20. Seal the package with tape at every seam.
- 21. Ship the package so that they do not spend more than 48 hours in the mail.



