

Materials List for:

Colonization of *Euprymna scolopes* Squid by *Vibrio fischeri*

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Materials

Name	Company	Catalog Number	Comments
Glass Culture Tubes, 16 mm Diameter	VWR international	47729-580	
Caps for Glass Culture Tubes	Fisher Scientific	NC9807998	
Visible Spectrophotometer for Determination of OD ₆₀₀	Biowave	CO8000	Any spectrophotometer capable of measuring OD ₆₀₀ will work. This unit can measure the OD ₆₀₀ of liquid directly in the glass culture tubes. Some adjustment of the inoculum calculation may be necessary depending on the instrument used.
GloMax 20/20 Single-Tube Luminometer	Promega Corp.	E5311	Equivalent to the Turner BioSystems 20/20n Luminometer. Includes the microcentrifuge tube holder.
GloMax 20/20 Light Standard	Promega Corp.	E5341	For luminometer calibration.
Refractometer, Handheld	Foster & Smith	CD-14035	Calibrate before each use with deionized water. Rinse after every use with deionized water to prevent salt build-up.
Instant Ocean (artificial seawater concentrate)	Foster & Smith	CD-16881	Prepare at 35 ‰ in deionized water, using the refractometer, then filter through a 0.2 µm SFCA filter.
Filtration Unit	Nalge Nunc international	158-0020	Surfactant-free cellulose acetate (SFCA) membrane, 0.2 µm. We have observed variable results with some surfactant-containing PES filters.
Transfer Pipettes	Fisher Scientific	13-711-9AM	Using scissors or razor blade, cut the tip cleanly above the first ridge to increase the diameter of the pipette tip and avoid squeezing the squid hatchlings.
Disposable Sample Bowls (plastic tumblers)	Comet	T9S (9 oz.)	Bowls for inoculation, with upper diameter 3 ¼", lower diameter 2 ¼", height 3". Bowls create a homogenous environment as they have no bottom rim, in which squid can get trapped in a low-oxygen niche. The size is optimized for 40-ml inoculum. Available at webstaurantstore.com , #619PI9.
<i>Drosophila</i> Vials	VWR international	89092-720	Vial diameter matches the opening on the luminometer PMT.
1.5 ml Microcentrifuge Tubes	ISC Bioexpress	C-3217-1CS	Tubes must fit the shape of the pestles.
Ethanol, 200 Proof	Fisher Scientific	BP2818-100	

Pestles	Kimble Chase	749521-1500	
Plating Beads, 5 mm diameter	Kimble Chase	13500 5	Prepare 5 per tube and autoclave.