

Materials List for:

Resurrection of Dormant *Daphnia magna*: Protocol and Applications

Maria Cuenca Cambroner¹, Luisa Orsini¹

¹Environmental Genomics Group, School of Biosciences, University of Birmingham

Correspondence to: Luisa Orsini at l.orsini@bham.ac.uk

URL: <https://www.jove.com/video/56637>

DOI: [doi:10.3791/56637](https://doi.org/10.3791/56637)

Materials

Name	Company	Catalog Number	Comments
sampling bags	Fisher Scientific	11542783	Sampling bag revolve round wires closure system and safety tabs sterile polyethylene with writing area clear 89µm thickness 140mm x 229mm, 720mL Fisherbrand
piston corer	ENSIS ltd	na	Long, heavy tube plunged into the sea, lake, pond floor to extract samples of mud sediment. Piston corers have a variable diameter and are generally in PVC
precision scale	Veritas-M124A	TLP-50	Analytical Balance
geological sieve	UKGE limited	SV7521	200 mm diameter geological sieve - 1 mm mesh
geological sieve	UKGE limited	SV7525	200 mm diameter geological sieve - 0.125 mm mesh
white sampling tray	nhbs	http://www.nhbs.com/title/view/159614?ad_id=1509	Standard multipurpose lab trays
pasteur pipette	Globe Scientific inc.	138020B	Transfer Pipet, 1.7mL, General Purpose, 87mm, Bulb Draw - 0.9mL
stereo microscope	nikon	smz800	Microscope with magnification range 1x -8x linked to a camera control unit
petri dish	EduLab	153-533	Sterile 90mm diameter plastic petri dish
glass jars	compak	Round Jam Jars 4oz	100 mL jars
glass jars	compak	Atum Jars/ Bonta Jar 10oz	200 mL jars
glass jars	bottlecompanysouth	500ml Food Jam Jar With Twist Off Lid	500 mL jars
statistical software R	https://cran.r-project.org/	na	Free online GNU language and environment for statistical computing and graphics
microdissection forceps	Fisher Scientific	41122405	Fine point stainless steel forceps for microdissections
image software	https://imagej.nih.gov/ij/index.html	na	Open source ImageJ image processing toolkit written in Java
mesocosm	amazon	na	Nobby Fauna-Box III, 41 x 23 x 29 cm, 20.0 Liter
mirocentrifuge tubes	Sigma_Aldrick - Merck	Z606340	premium microcentrifuge tubes 1.5 mL
AGENCOURT DNAdvance	Beckman Coulter	A48705	DNA extraction kit
size standard	Thermo Fisher Scientific	4322682	LIZ500 - Size standard compatible with ABI sequencers

ABI3032 sequencer	ABI	na	Sequencer used to perform fragment analysis or sanger sequencing
-------------------	-----	----	--