Materials List for

Field-Based Thermal Physiology Assay: Cold Shock Recovery under Ambient Conditions

Emily S. Khazan[1]

[1]School of Natural Resources and Environment, University of Florida

Corresponding Author

Emily S. Khazan

ekhazan@ufl.edu

Citation

Khazan, E.S. Field-Based Thermal Physiology Assay: Cold Shock Recovery under Ambient Conditions. *J. Vis. Exp.* (), e62218, doi:10.3791/62218 (2021).

Date Published

March 9, 2021

DOI

10.3791/62218

URL

jove.com/video/62218

Materials

Name	Company	Catalog Number	Comments
24 x 24 x 36" Popup Rearing & Observation Cage	Bioquip	1466PB	Ensure that the cage is slightly elevated from the ground to be able to tap the floor of the cage during experiments.
Cooler	Any	NA	
Glassine envelopes	Bioquip	1130B	
HOBO Pendant Temperature/Light 8K Data Logger	Onset	UA-002-08	If a datalogger is not accessible, researchers may choose to use a digital thermometer to record ambient temperatures at regular intervals. See protocol step 4.5 for additional information.
HOBO Optic USB Base Station	Onset	Base-U-1	
Ice water	NA	NA	
Insects (focal taxa)	NA	Any	Collect sufficient samples to test, ensuring replication of experimental groups (e.g. species, sampling location)
PVC T-joint	Any	Any	
Sealable plastic bag	Any	NA	
Stopwatch/timer	Any	NA	
Weight	Any	NA	Large coins or small rocks to weigh down the plastic bags will ensure that specimens are submerged in ice water. A standardized weight is ideal.