VERSION 2

FEB 10, 2023

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.eq2lynoymvx9/v2

Protocol Citation: Malcolm A Barnard, Stephen Powers 2023. Disposal of Environmental Samples from Water Bodies Infested with Zebra Mussels . **protocols.io** https://dx.doi.org/10.17504/protocols.io.eq2lynoymvx9/v2Version created by Malcolm A Barnard

Protocol status: Working
We use this protocol and it's working

Created: Aug 20, 2022

Last Modified: Feb 10, 2023

PROTOCOL integer ID:
68955

Disposal of Environmental Samples from Water Bodies Infested with Zebra Mussels V.2

Malcolm A Barnard[1], Stephen Powers[1]

[1]Baylor University

Powers Lab Baylor

Malcolm A Barnard
Baylor University

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ABSTRACT

Zebra Mussels (*Dreissena polymorpha*) are a highly invasive species that have been invading water bodies around the United States and beyond. This protocol for sample disposal for sample collected from know zebra mussel infested water bodies to prevent spread though local water treatment facilities by bleaching the samples to kill any larvae or other potential zebra mussels in the sample water.

MATERIALS

Bleach (10% Sodium Hypochlorite)
Dishwashing bin to add sample water and bleach

SAFETY WARNINGS

Do not mix acids and bleach. This will create chlorine gas.

Wear gloves, eye protection, and a lab coat while performing this protocol.

Sample Killing

4h 5m

1 Pour all environmental sample water from bottles into a dish pan.

2 Save the bottles for acid washing

Safety information

Do not add bleach to bottles being cleaned using an acid bath and acid as the combination of acid and bleach produces chlorine gas.

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3 Add 50 mL of bleach per 1 L of sample water.

4 Let the bleached sample sit for a minimum of four hours if not until the next day. 4h

Sample Disposal

5m

5 Dispose of bleached sample down drain with excess water or other waste pathway as described by local environmental health and safety guidelines.

6 Save bin for future sample disposal or bleach work.