Longmire lysis buffer

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Sep 09, 2021

dx.doi.org/10.17504/protocols.io.bx4xpqxn

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ABSTRACT

Lysis buffer recipe (Longmire et al 1997):
To make 1 liter

DOI

dx.doi.org/10.17504/protocols.io.bx4xpqxn

PROTOCOL CITATION

Abigail Wells, Linda Park 2021. Longmire lysis buffer. **protocols.io** https://dx.doi.org/10.17504/protocols.io.bx4xpqxn

MANUSCRIPT CITATION please remember to cite the following publication along with this protocol

Use of "lysis buffer" in DNA isolation and its implications for museum collections J. Longmire, M. Maltbie and R. J. Baker Occasional Papers Museum of Texas Tech University 1997 Vol. 163 DOI: 10.5962/bhl.title.143318

CREATED

Sep 09, 2021

LAST MODIFIED

Sep 09, 2021

PROTOCOL INTEGER ID

53111

PARENT PROTOCOLS

In steps of
Collection and preservation of eDNA from marine water samples
eDNA extraction: phenol-chloroform-isoamyl alcohol DNA purification from filters stored in Longmire buffer

MATERIALS TEXT

H_2O

[M]**1 Molarity (M)** Tris-HCL, pH**8**

[M]**0.5 Molarity (M)** EDTA, pH**8**

[M]**5 Molarity (M)** NaCl

[M]**20 Mass Percent** SDS (w/v)

To make 1 L of Longmire

1 975 ml double-distilled water

2 100 ml of 1 M Tris-HCL, pH 8.0

3 200 ml of 0.5 M EDTA, pH8.0

4 2 ml of 5 M NaCl

5 25 ml of 20% SDS (w/v) Filter the buffer with an autofill PES bottle top filtration device (sterile 500ml, 0.22 µm)

Citation: Abigail Wells, Linda Park (09/09/2021). Longmire lysis buffer. https://dx.doi.org/10.17504/protocols.io.bx4xpqxn