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General Fungal DNA Extraction Forked from Kasson Lab DNA Extraction

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ABSTRACT

This is a routine protocol for extracting DNA from various fungi. This extraction method is suitable for follow-up molecular work such as PCR amplification.

MATERIALS

Sterile micropestles, isopropyl alcohol, ethyl alcohol, cell lysis buffer, protein precipitation buffer, elution buffer, metal scraper.

OPEN ACCESS

Protocol Citation: Angie Macias, Matthew T Kasson, Brian Lovett 2023. General Fungal DNA Extraction. protocols.io

https://protocols.io/view/gene ral-fungal-dna-extractioncwn9xdh6

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

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PROTOCOL integer ID:

84417

Before you begin

1 Turn on hot water bath, set to \$\ \colon 65 \cdot C \].

- 2 Pull two Eppendorf A 1.5 mL centrifuge tubes per sample.
- **2.1** Label both sets of tubes with (short) sample names.
- 2.2 Label one tube set for each sample with an "I" for





Sketch of "I"-labeled tubes (Angie Macias).

- Add ∠ 200 μL of

 Cell Lysis Solution, 1000ml (for Wizard Genomic) Promega Catalog

 #A7933

 Nuclei Lysis Solution, 1000ml Promega Catalog

 #A7943

 Nuclei Lysis Solution, 1000ml Promega Catalog

 #A7943
- Add Δ 600 μL of

 isopropyl alcohol Merck MilliporeSigma (Sigma-Aldrich) Catalog

 #W292907

 labeled with "I".

Place tube with Elution buffer pH 8.0 (250 mL) Alfa Aesar Catalog
#J61558

water bath.





