



DEC 28, 2023

## Baermann Funnel Extraction

Casey A Schlenker<sup>1</sup>

<sup>1</sup>The Ohio State University

OSU Soybean Pathology and Nematology



Casey A Schlenker

### ABSTRACT

Baermann Funnel Extraction

### MATERIALS

Materials for sample preparation:

- Glass funnel
- Funnel stand
- Filter paper
- Tubing
- 2mm mesh sieve
- DI water bottles

OPEN  ACCESS



**Protocol Citation:** Casey A Schlenker 2023. Baermann Funnel Extraction.

**protocols.io**

<https://protocols.io/view/baermann-funnel-extraction-c6t3zeqn>

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






**Created:** Dec 27, 2023

**Last Modified:** Dec 28, 2023

**PROTOCOL integer ID:**  
92763

## Sample Preparation

6d

- 1 Sieve soil to 2mm
- 2 Weigh out  50 g soil in a weigh boat
- 3 Place tissue paper on top of Baermann funnel apparatus
- 4 Place weighed and sieved soil on top of filter paper
- 5 Fill Baermann funnel with DI water using a DI water bottle so that soil sample is saturated but not submerged in water
- 6 Cover all Baermann funnels with a plastic Uline
- 7 At  24:00:00 and  48:00:00 mark, check soil and refill any funnels with decreased water level  2d to prevent the soil from drying out.
- 8 At  72:00:00 empty funnel over a 25um mesh sieve to collect nematodes  1d
- 9 Transfer the nematodes that are on the sieve into a labelled centrifuge tube using a **hot fixative**

## Protocol



NAME

### Fixative preparation for Baermann funnel extraction

CREATED BY

Casey A Schlenker

PREVIEW

- 10 Collect soil from top of Baermann funnel; dry and weigh to get gravimetric soil moisture content
- 11 Count the entire sample at 50x magnification using a dissecting scope
- 12 Identify 100 nematodes