

Nematode recovery from cups

Introduction

This protocol describes the steps necessary to successfully hatch the strongyle eggs present in horse faeces and the successful recovery of strongyle larvae in the third larval stage.

Materials

- Plastic cups
- Faeces
- Physiological solution(saline) (0.9% NaCl)
- Tap water

Procedure

Incubation of faeces

- Around 20 g of faeces are added to a cup
- The faeces are stirred with tweezers to make the sample less compact
- The cup is incubated at 29 °C for 1 week

Nematode recovery

- The cup is filled with water (200 mL)
- One half of a petri dish is placed on top. The cup with the petri dish is then turned upside down
- The cup is left at room temperature ON, to allow the dry material to soak water and deposit on the bottom

- The following day the cup with the petri dish are tilted to recover the liquid, which contains the worms
- The worm solution is left in the fridge for 3 hours, to allow a complete deposit of the worms
- Most of the supernatant is removed, and the worm solution can be stored