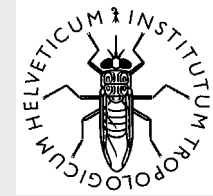


# Methods in Parasitology

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## 9. Adhesive tape method for the detection of pinworm eggs

Swiss Tropical Institute, Basel

April 2005



## 9.0 Adhesive tape method

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### Contents

- 9.1 Materials
- 9.4 Procedure

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Prof. Niklaus Weiss (STI)

## 9.1 Adhesive tape method

### Materials:

- Clear adhesive tape
- Microscope slides
- Gloves
- (Xylene or Butyl acetate)



## 9.2 Adhesive tape method

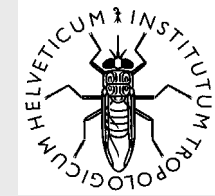


Mistake:

Adhesive tape is not clear!



## 9.3 Adhesive tape method



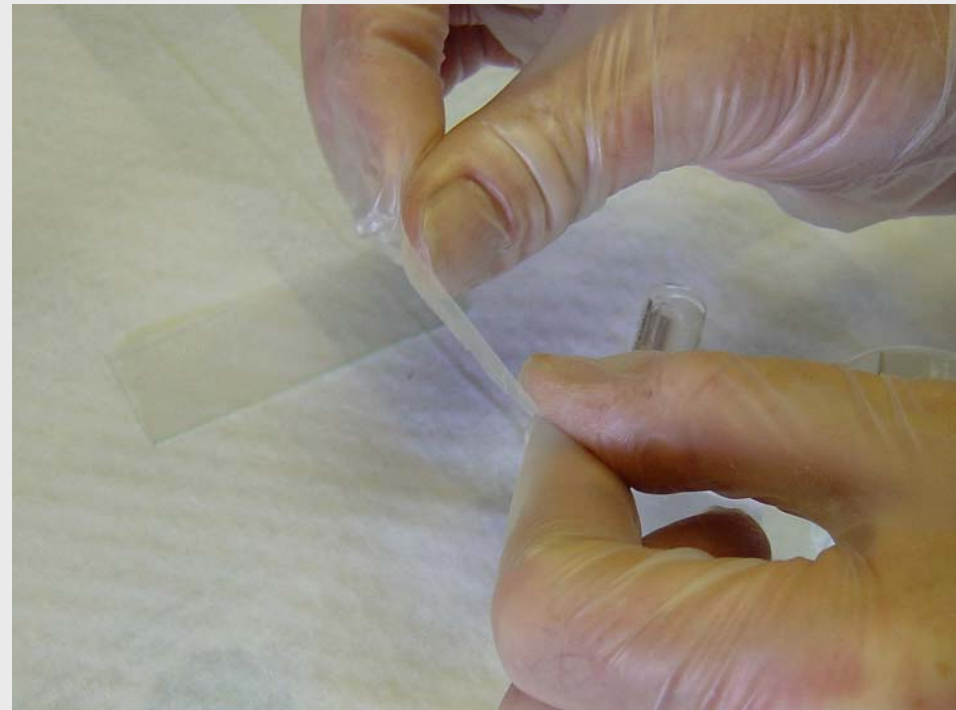
Use gloves !  
(pinworm eggs are  
infectious!)



## 9.4 Adhesive tape method



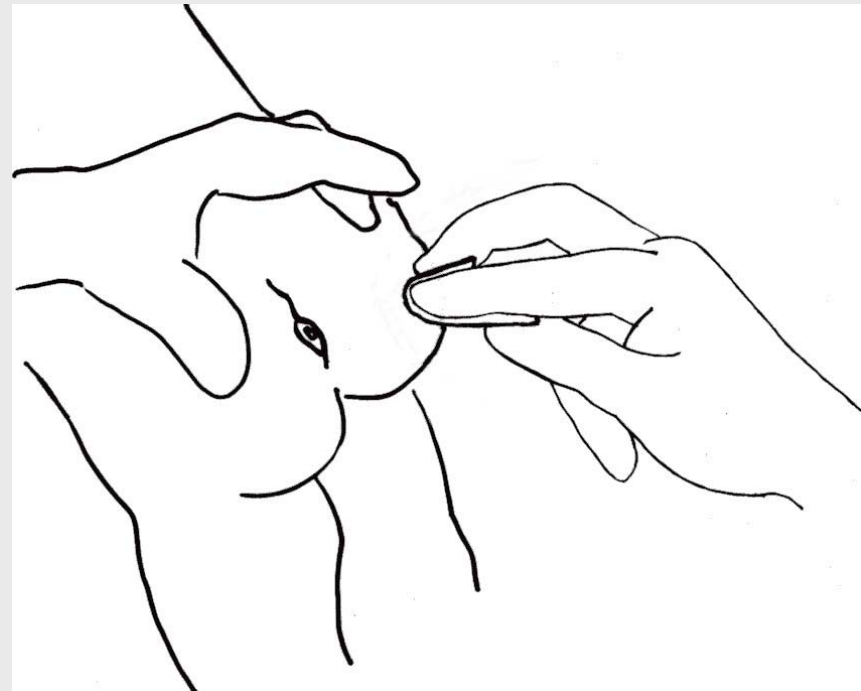
Prepare the tape



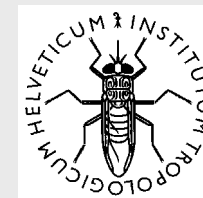
## 9.5 Adhesive tape method



Take sample on peri-anal skin in the morning



## 9.6 Adhesive tape method



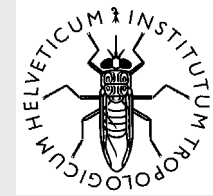
Stick tape on microscope slide

4-6 negative tapes are needed to rule out a pinworm infection!



Clip

## 9.7 Adhesive tape method

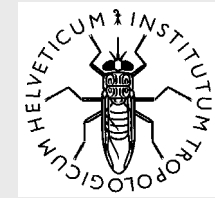


Picture under microscope:

Tape without Butyl acetate  
/Xylene produces many  
air bubbles!



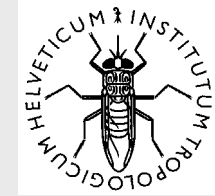
## 9.8 Adhesive tape method



Place a drop of Xylene on the edge of the tape to remove air bubbles



## 9.9 Adhesive tape method



Picture under mikroscope:

Without air bubbles

