Swiss TPH

STOOLPREPARATION

GELOSE CULTURE (Koga Method)

Stoolpreparation - Gelose Culture

Material

- Petri dish with Agar
- SAF
- Plastic pipette
- Wooden spatula
- Falcon tubes 15ml
- Gloves

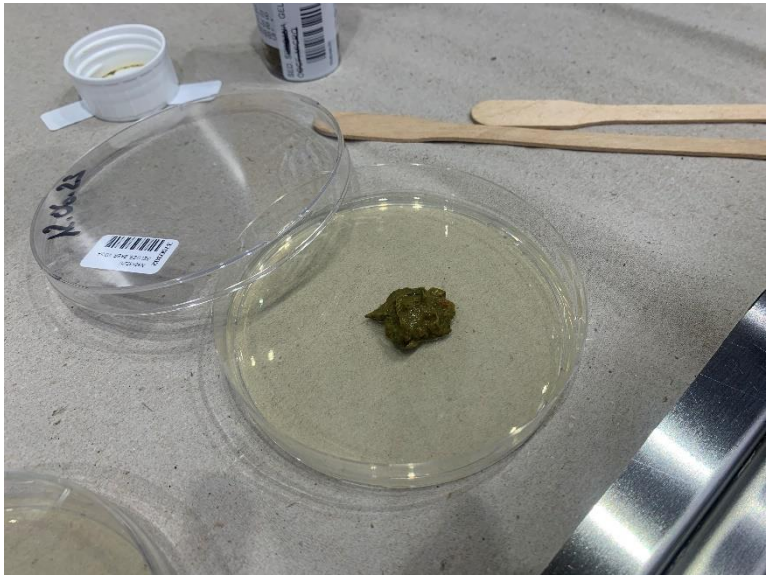
Equipment

- Safety Cabinet
- Incubator
- Centrifuge
- Microscope

Stoolpreparation - Gelose Culture

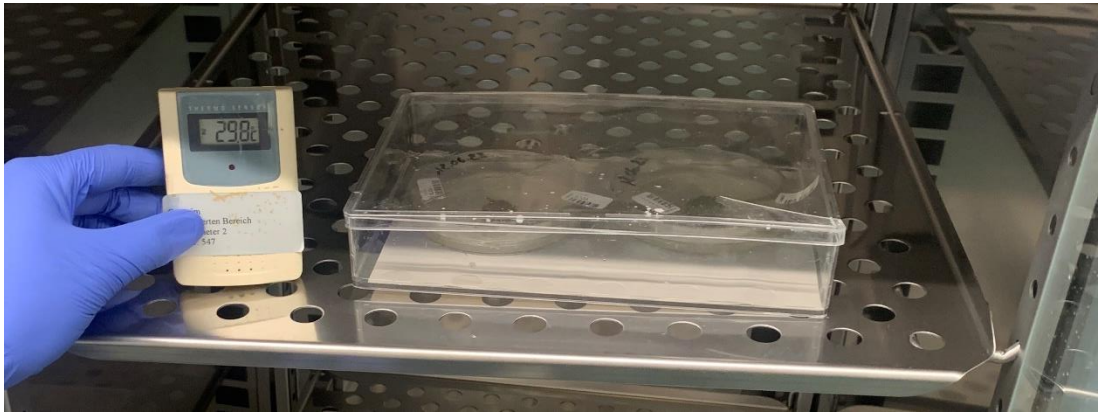
Attention! Larva stage L_3 highly infectious !

Stoolpreparation - Gelose Culture



- Place a piece of fresh stool in the middle of the agar
  → (assure a good contact of the stool specimen onto the agar.)

Stoolpreparation - Gelose Culture



- Incubation it at 30° C secured in a box

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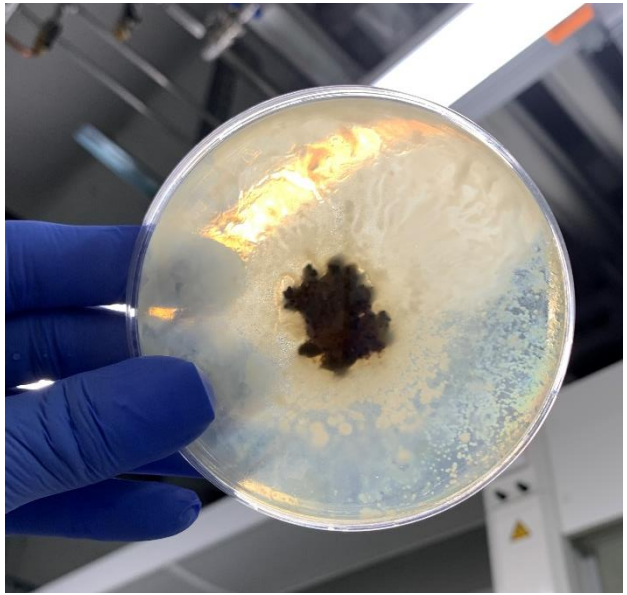
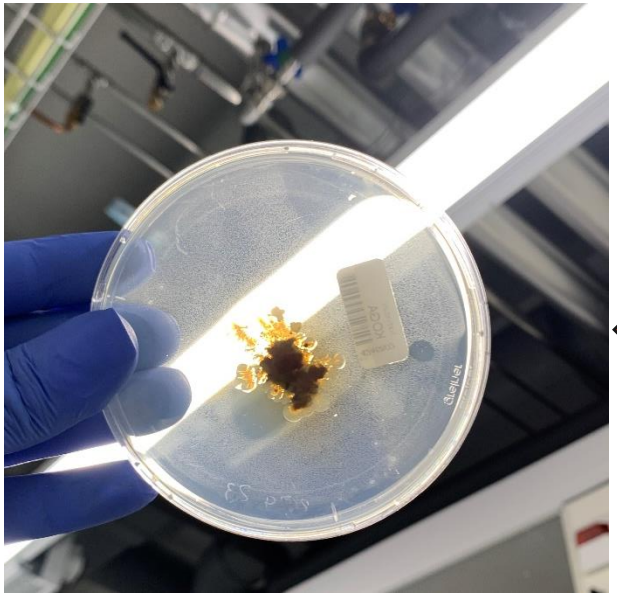
Positif





Negatif

- The larval corridors can be seen already by eye (macroscopic)

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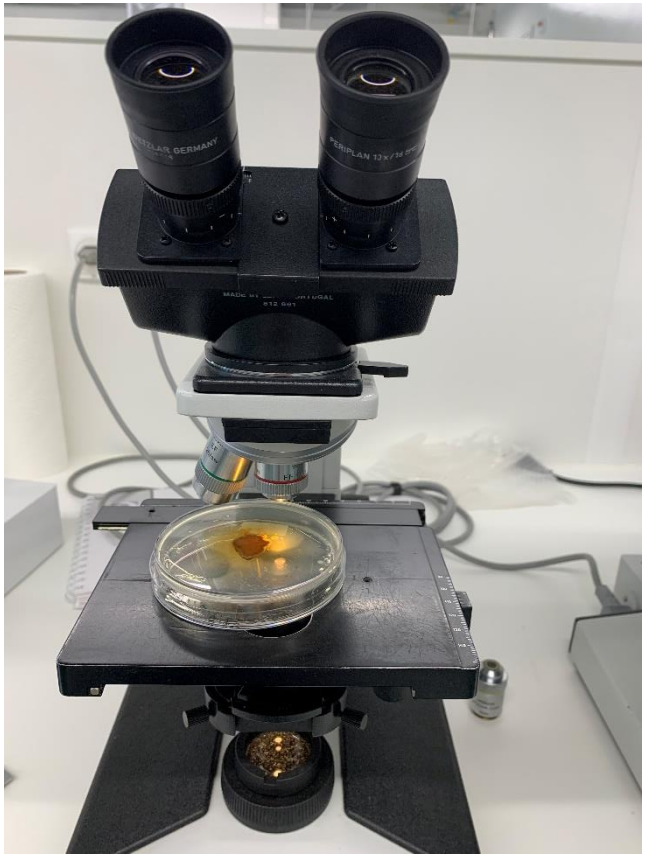
- The agar dish will be examined for larvae and the vermiform burrow also by microcope



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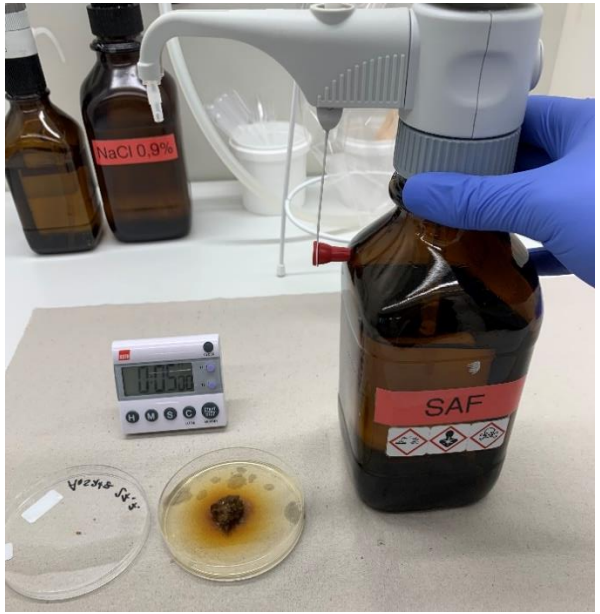

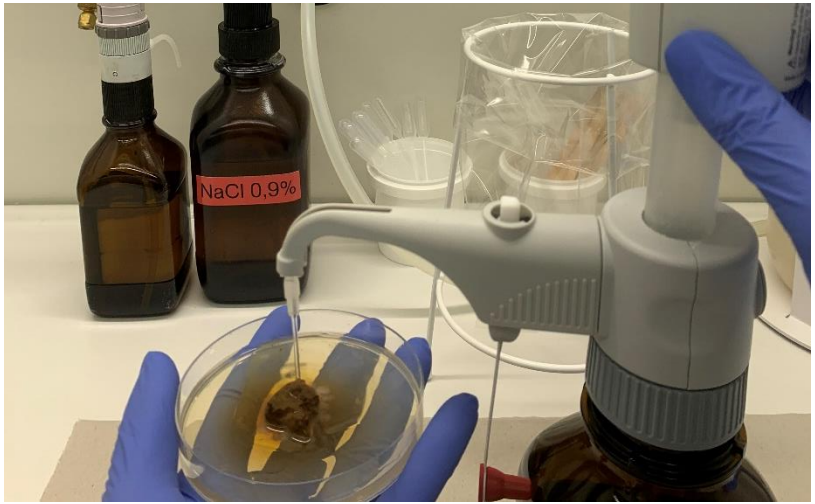

- After microscopic examination the petri dish will be rinsed with 10 ml SAF. Leave it for 5 min. (material become fixed)
- Collect the supernatant with a plastic pipette and transfer it in a 15ml Falcon-Tube. Centrifuge for 5 min. at 2000 rpm/rcf. Examine the sediment for larvae in the microscope with the 10x objective

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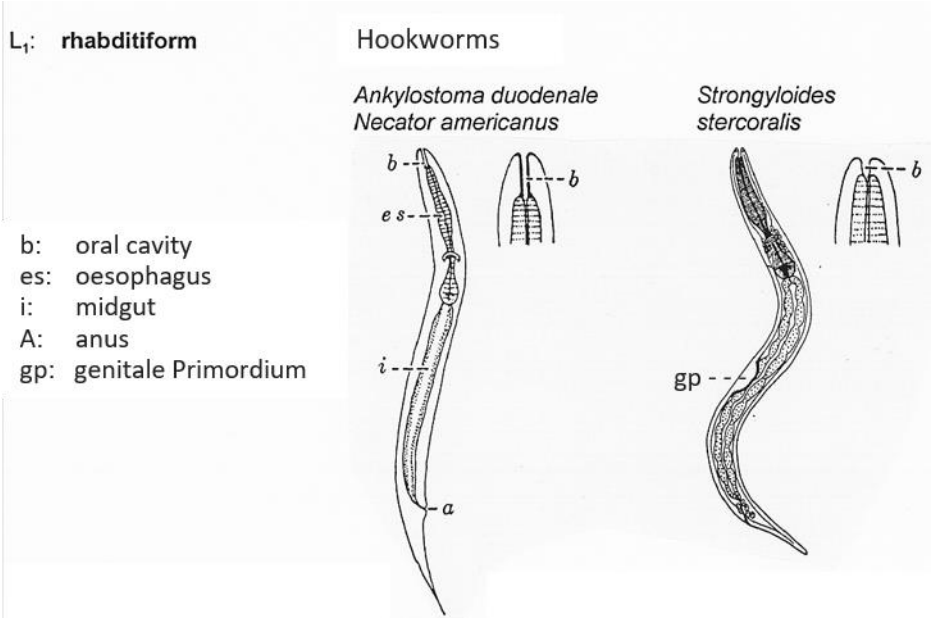

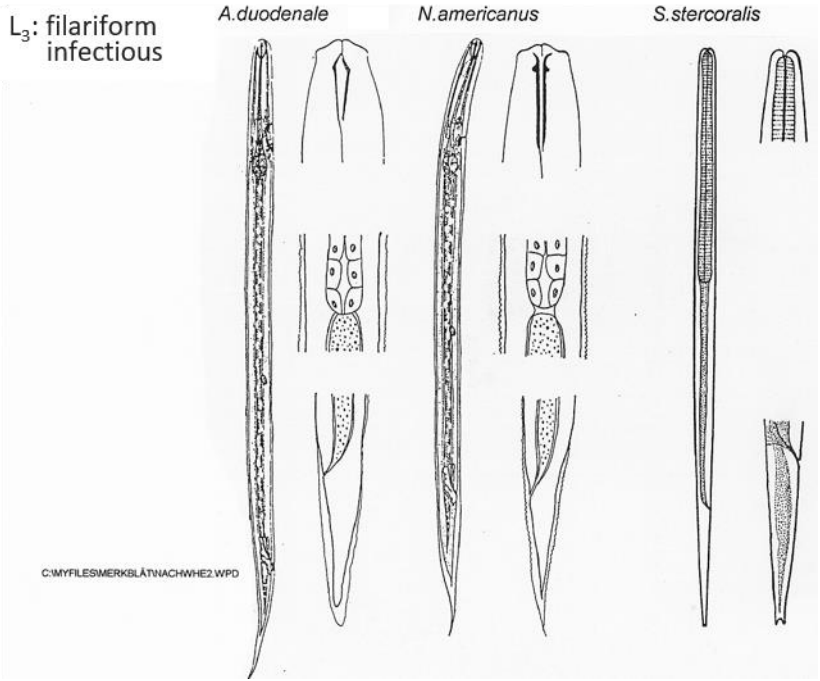

- Identified larvae have to be differentiated, because the method detects also larvae of hookworms, if present