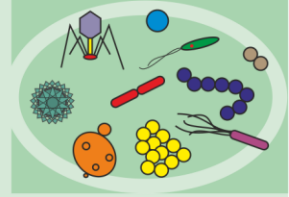


Cytology and morphology of bacteria

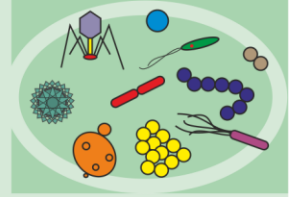


3. practice

Movement of cells

Fidrich (2018)

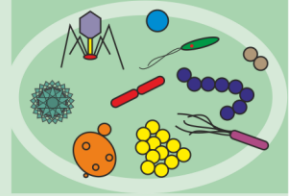
Flagella motion – separated drop



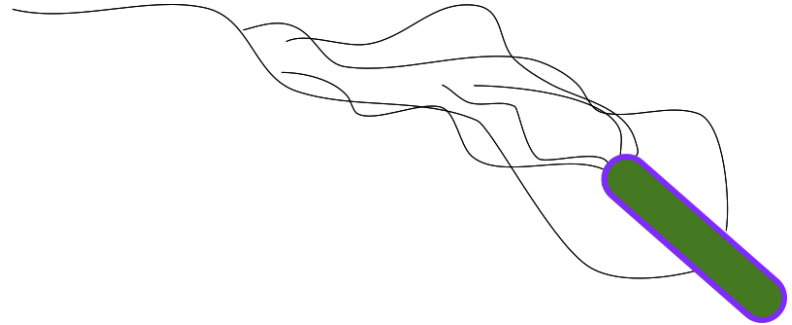
1. Drop of culture suspension on microscopic slide Do not cover by cover glass and use a microscope to observe
2. Focus carefully on the upper part of the drop
 - use 20x and maximum 40x objective



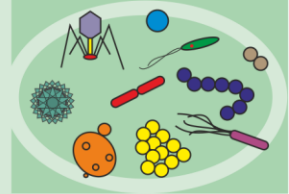
Staining of flagella



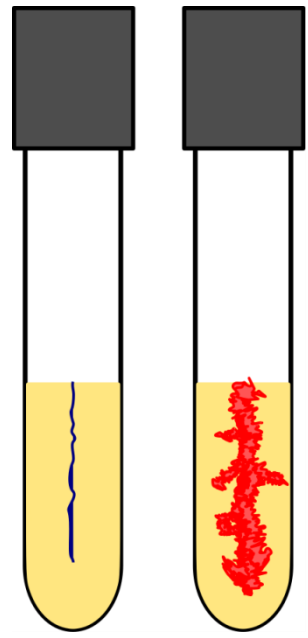
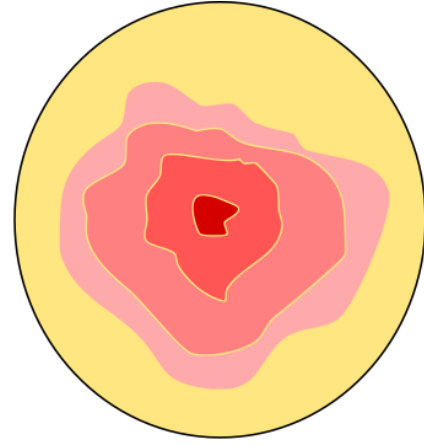
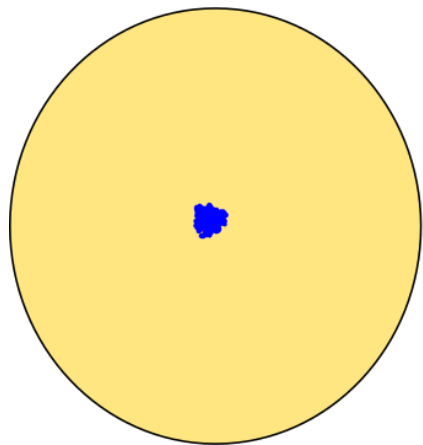
1. Drop of culture suspension on microscopic slide mix with dye of staining of flagella and cover with cover glass
2. Observe preparation at magnification 1000x with immersion oil



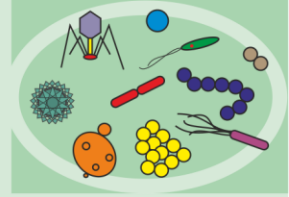
Observing of motion on agar for movement testing



1. Inoculate agar by one stab in the middle of agar
 - to grow only 1 colony
2. Inoculate Petri dish and also tubes



What to observe ?



- Flagella motion (1)
- Staining of flagella (1)
- Observing motion on agar:
 - 2x Petri dish
 - 2x tube

Bacilli:

Bacillus cereus

Cocci:

Micrococcus luteus

Rods:

Pseudomonas fluorescens

Escherichia coli

Proteus vulgaris