

Microbial Tests

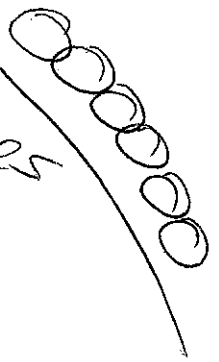
① O₂ Requirements

Test tube w/ Nutrient broth & bacteria

anaerobes

facultative

aerobes



② NaCl test



0% NaCl



1%



2%



4% Halophile

Petri dishes with Nutrient agar & Salt

③ Temp tests



-20°F Psychrophile



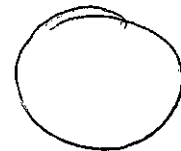
0°F



40°F



90°F



120°F

Petri plates with Nutrient Agar

④ Motility Test

Test tube w/ Nutrient Agar (jello)



Inoculate w/ bacteria



Non-motile

or



Motile - Have cilia or flagella

Microbial Tests (pg 2)

5 Antibiotic Sensitivity Testing

Petri dishes with Nutrient agar.

Make a Lawn of Bacteria



Add Antibiotic discs

ie
Tetracycline (T)
Streptomycin (S)
Penicillin (P)

48 hrs Later Look for
Zones of Inhibition



Which Antibiotic Works the best?
The worst?