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# Microbiology Lab Exam 1| 125 Questions With Accurate Answers Correct 100%

What is the purpose of a streak plate? - ANSWERS1) To separate cells so that they grow to form isolated colonies 2) To confirm if a culture is a pure colony or mixed 3) To confirm if there is contamination in your culture

What is a colony? - ANSWERSAreas of growth that arise from a single cell.

How do colonies form? - ANSWERSThey are formed by spreading out cells. Cells are spread and reproduce over and over again through binary fission until visible mass of cells appear.

What is a pure culture? - ANSWERSCulture containing only one type of organism

What kind of media are colonies able to form on? - ANSWERSagar slant, broth media, agar plate

When is an agar slant used? Pros & cons - ANSWERS1) Smaller amount of surface area prevents the media from drying out too quickly 2) useful for medium term storage 3) viable for a couple of months if stored properly

What are the 4 criteria for labeling a microbial culture? - ANSWERS1) initials or name AND group number  
2) date  
3) growth media type  
4) culture name or source of inoculum

Describe bacillus (bacilli) morphology - ANSWERSrod shaped cells, longer than wide, sausage like, can use rod or bacillus

describe coccus morphology - ANSWERScells are ball shaped or spherical

Describe coccobacillus morphology - ANSWERSElongated spheres- not quite spherical, but not clearly a rod. Tends to occur in species which are normally rod-shaped during rapid growth.

Describe spirillum morphology - ANSWERSHelical, loose or tight coils. Look like wavy lines - morphology has no arrangement

Describe filamentous morphology - ANSWERSLong elongated cells. Look like a tangled mass of branched filaments- no arrangement

# Laboratory Experiments In Microbiology Answers

**Sebastian Brünink**



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