

BI 203 Microbiology
Morphological Unknown
(50 points)

Name _____

Unknown # _____

You will receive an unknown slant culture. Your objective is to characterize its cultural characteristics, morphology and staining properties. Circle the correct characteristic and fill in description as necessary.

I. Slant characteristics:

Consistency: Dry Mucoid
(5 points)

Pigment: Yes No
(5 points)

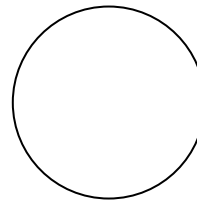
If yes, then describe color _____

If yes, circle the description that applies: Intracellular / Extracellular

II. Staining: (You must draw bacteria in color in the circles.)

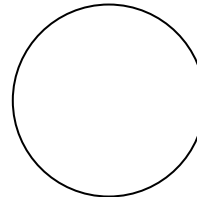
Gram Stain
(12 points)

Pos Neg



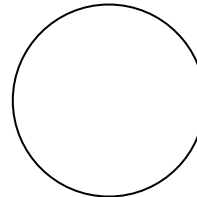
Spore Stain
(12 points)

Pos Neg



Acid-Fast Stain
(12 points)

Pos Neg



III. Morphology:
(3 points)

Rod Coccus Spiral

Observed Predominant Arrangement:
(1 point)

Single Clusters Chains

Bonus # 1 (3 points)

Is your unknown: Motile / Non-motile (2 points)

Describe the movement: _____ (1 point)

Bonus # 2 (4 points)

(2 points = Genus; 2 points = species)

Which organism does your unknown resemble? _____
(Must be a logical guess based on all characteristics.) (Genus) (species)