

Fall 2018 Plate Swabbing – In Class Lab

Your Name: _____

UNH email: _____

Indicate where you obtained your sample: _____

Bacterial Colony Types: *May be differentiated by color, size, texture, shape, height, width, glossiness, dullness, etc. Use your best judgment and guesstimate. **Please use proper binomial nomenclature when answering these questions.***

BAP blood agar plate (*dark red*)

How many colonies on BAP? _____

How many different KINDS of bacteria do you see on your BAP? _____

***Indicate the types of hemolysis you observe on your BAP plate, **circle all that apply**:

Beta Hemolysis
Alpha Hemolysis
Gamma Hemolysis

EMB eosin methylene blue plate (*red/purple*)

How many colonies on EMB? _____

How many different KINDS of bacteria do you see on your EMB? _____

***Indicate what kinds of colonies you see on your EMB plate, **circle all that apply**:

Dark Colonies (black, pink, purple, blue)
Green Metallic Colonies
White/Colorless Colonies

*****each plate may exhibit one, two or all three of the characteristics in question**

Based on your observations, which plate seemed to have the most growth and why do you think that is? Consider the area that you swabbed when contemplating your results.

Did either plate show evidence of likely fecal contamination, and if so, which plate? Explain why you may or may not see fecal contamination on your plate(s).

Did your plate show evidence of likely skin flora contamination, and if so, which plate? Explain why you may or may not see fecal contamination on your plate(s).

What is meant by the term “germs are ubiquitous”, did this exercise help with your understanding of that phrase? Define the term and explain whether or not your plates helped you understand this concept.