

Accumulating Results

For each Lab Grading period you will submit an “in progress” Table of Results including all of the organisms used in the current lab period, and, any organism from the list of organisms used in the Unknown Project, that have been included in previous Lab Grading Periods. The end result will be a comprehensive table of all of the organisms used in the Class Unknown Project. This will prove to be an invaluable diagnostic tool to identify your group’s unknown bacteria.

How to start your table – Lab Grading period #1

For Lab Grading Period #1 we will only have the results from the Simple stain and the Gram stain to add. You will add results for all bacteria used by the class for Gram stain and morphology. I suggest making a table in a word document. You will have a variety of different formatting options, some of which are highlighted in the screencast. When using Excel, entering “+” or “-“ for results is interpreted as commands, it will ask which cells you would like to add together...

How to Continue

The Table for Lab Grading Period #2 will retain the columns for Gram stain and Morphology, as well as these results for the bacteria used in Lab Grading Period #1. You will add to your list new bacteria used in Lab Grading Period #2, and you will add information on their Gram Stain and Morphology- although these may not have been observed in the labs we performed in lab Grading Period #2.

Finding Information Online

There are numerous online sources of information on the bacteria we will use in class. One starting point is a general source like Microbe wiki:

<http://microbewiki.kenyon.edu/index.php/MicrobeWiki>

If you find other useful resources you can share them with the class by making a post to the WebAccess Forum.

Objectives:

Practice data entry and organization

Practice formatting tables

Familiarization with common bacteria morphology and biochemical characteristics

Build knowledge that will be useful in the unknown project

Searching for results of biochemical tests online

The Usual Suspects

Bacteria Used in the Class Unknown Project

Escherichia coli

Enterobacter aerogenes

Salmonella typhimurium

Shigella flexneri

Pseudomonas aeruginosa

Staphylococcus aureus

Staphylococcus epidermidis

Proteus vulgaris

Bacillus cereus

Lactobacillus plantarum

Add these bacteria to the cumulative table of results as we use them in lab.