

# Bacteria in Milk Worksheet

1. Make a prediction about the amount of bacterial activity in the different milk samples and draw a simple bar graph showing your predicted color of the resazurin dye in each sample.

# Bacteria				Color
Masses				Colorless
A lot				Pink
Some				Purple
None				Blue
	Tube A	Tube B	Tube C	

2. Explain your predictions for each test tube.

Tube A:

Tube B:

Tube C:

3. Record your actual results in a bar graph below:

# Bacteria				Color
Masses				Colorless
A lot				Pink
Some				Purple
None				Blue
	Tube A	Tube B	Tube C	

4. Compare the graphs in #1 and #3. Explain any differences between the actual results and your predictions.

5. Why were the test tubes incubated for 30 minutes?

6. Which test tube(s) acted as a control in this experiment? Explain.

7. Evaluate this experiment. What things were done to make this a fair test? What could be done to improve this lab?