 ![C:\Users\jwager\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\YZCHP3E9\MC900371340[1].wmf]()

**Objective/Problem:** The purpose of this experiment is:

**Hypothesis:**

**Materials:**

1 pre-poured SMA plate

Hand Soap

Hands Sanitizer

Secure location for plate incubation

Sharpie Marker

Parafilm

**Procedures:** List the step-by-step procedures of your experiment below (Step 1 has been listed for you along with the first word of each step. You must fill in the details.):

**1. Shake hands with at least 5 people.**

**2. Draw**

**3. Label**

**4. Touch**

**5. Wash**

**6. Touch**

**7. Wrap**

**Data:** Fill in your data in the charts below:

**Day 2: Observations**

|  |  |  |
| --- | --- | --- |
|  | **Control** | **Treatment** |
| **Colony Count** |  |  |
| **Describe Colonies** |  |  |

**Do NOT touch colonies growing on your plate. Once you have finished recording your observations, wash your hands thoroughly with soap and warm water.**

**Day 3: Observations – Recount the entire plate to ensure you account for all new growth.**

|  |  |  |
| --- | --- | --- |
|  | **Control** | **Treatment** |
| **Colony Count** |  |  |
| **Describe Colonies** |  |  |

**Do NOT touch colonies growing on your plate. Once you have finished recording your observations, wash your hands thoroughly with soap and warm water.**

**Post-Lab Discussion Questions:**

1. What changes took place in colony growth from Day 2 and Day 3?
2. Looking at the data, what differences do notice between the control and treatment?
3. Discuss your conclusions based on the data collected in this experiment.
4. What problems might have occurred in this experiment that might lead you to question the validity of your results?

**Conclusions:**