Bioreactor Required Data

Due one week after experiment (individually to section TA, “representative example” for inter-group exchange)
Include as a heading: Names of group members, Dates experiment was performed

1. **Tabulate** experimental values
   a. Time
   b. Absorbance
      i. Bioreactor
      ii. Shaker flasks
   c. Oxygen concentration
   d. pH
   e. Temperature
      i. Bioreactor
      ii. Shaker flasks

2. **Plot** Semi-log graph of biomass concentration versus time
   a. M9 data
   b. Bioreactor
   c. Shaker flasks

3. **Determine**
   a. From M9 data
      i. $Y_{X/S}$
      ii. $\mu_{max}$
   b. From bioreactor data
      i. $\mu_{max}$
   c. From shaker flasks
      i. $\mu_{max}$