

## Bioreactor Required Data

Due one week after experiment (individually to section TA, “representative example” for inter-group exchange). Include as a heading: your name, assigned group number, names of group members, and dates experiment was performed

*Provide statistical analyses when appropriate (e.g. 95% confidence interval, standard deviation, error bars, etc.). Briefly justify your chosen method of analysis for each application.*

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. Bioreactor
  - b. Shaker flasks
  
3. **Determine** the Monod constant for the M9 data