

BEP 303 Experiments

1. Sterilization in Steam Autoclave
2. Estimation of growth rate and yield
3. Dimensionless mixing time
4. Operation of pH control system
5. Dissolved oxygen (DO) measurement system
6. Blank sterilization of the reactor
7. Estimation of volumetric oxygen transfer coefficient
8. Estimation of volumetric oxygen transfer coefficient (K_La) in a fermentor by dynamic gassing out technique.
9. Estimation of power required for liquid agitation (P_L)
10. Independent project

Evaluation criteria

Lab attendance + report submission on time ($10 * 4$) = 40

Viva = 20

Independent project report and performance = 20

Quiz = 20