



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Affiliated to Osmania University

**Department of Biotechnology**

## **Laboratory Safety Rules**

There are some rules which must be observed for the successful completion of the laboratory exercise. This also ensures the safety and convenience of others working in the laboratory.

1. Always wear a laboratory coat or apron before entering a laboratory for protecting clothes from contamination or accidental discoloration by staining solutions.
2. Before and after each laboratory period clean your workbench with the disinfectant solution.
3. Keep your workbench clean everything (for example, books, purses, labels, etc.) except your laboratory equipment and notebook.
4. Never smoke, drink or eat in the laboratory.
5. Never place pencils, labels, or any other materials in your mouth.
6. If a live culture is spilled, cover the area with disinfectant for 15 minutes and then clean it.
7. In the event of a personal injury such as a cut or burn, inform your instructor immediately as bacteria love open wounds.
8. Long hair should be tied back to minimize contamination of cultures and fire hazards.
9. Handle all potential pathogenic microbial cultures with care.
10. Keep the waste papers and contaminated glassware in the receptacles provided.
11. Wash your hand with soap before leaving the laboratory.
12. Do not pipette broth cultures by mouth.
13. Always observe the aseptic technique rigorously.
14. Always keep culture tubes in an upright position in a rack.
15. Label all the plates, tubes, cultures properly before starting an exercise.
16. Return materials such as stain and reagent bottles, petriplates, pipettes to their original location after use.
17. Clean the laboratory desktop with a damp cloth (isopropanol dipped) at the close of each experiment.
18. Always perform exercises in sequence.
19. Keep laboratory doors and windows closed when experiments are in progress.
20. Switch off the equipment properly after use.
21. Record your data as you perform your exercises.
22. Keep your lab notebook up to date.

*V. Suresh*  
HEAD  
Dept. of Bio-Technology  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-500 075