

MBP- 454: Genetic Engineering & Food Microbiology

1. Genome analysis in *E coli*
2. Genome analysis in *Saccharomyces cerevisiae*
3. Isolation of Plasmids and purification from E coli
4. Restriction digestion analysis on agarose gel electrophoresis
5. DNA purification for PCR
6. DNA amplification by PCR
7. Transduction in *E coli*
8. DNA uptake by E coli cell by transformation
9. Enumeration of milk Micro flora by DMC
10. Production and evaluation of curd
11. Estimation of lactic acid
12. Milk spoilage microbes
13. Test for food adulteration
14. Effect of food preservatives
15. Isolation and identification of spoilage microbes from vegetables, fruits, pickles

