

MANGALORE UNIVERSITY
DEPARTMENT OF MICROBIOLOGY
MSc Microbiology

MBH- 503: Practical V (Molecular Biology)

1. Isolation of Genomic DNA from *E.coli* and Yeast
 2. Isolation RNA
 3. Qualitative and Quantitative analysis of DNA and RNA
 4. Agarose gel Electrophoresis
 5. Southern Blotting
 6. Northern Blotting
 7. Western Blotting
 8. *E.coli* gene expression (Lactose Metabolism)
 9. *E.coli* cell transformation (preparation of competent cells and foreign DNA uptake)
 10. Gene expression in *S.cerevisiae*
 11. Plasmid isolation from *E.coli*
 12. Gel documentation studies
 13. Polymerase chain reaction
 14. In vitro translation
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