MOLECULAR BIOLOGY LABORATORY SYLLABUS

(0305454)

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| LAB 1 | Growth and storage of *Esherichia coli* strains |
| LAB2 | Solutions: Concentrations and Calculations. |
| LAB 3 |  Genomic DNA Isolation from Eukaryotics.Part 1- Plant model / Onion |
| LAB 4 | Genomic DNA Isolation from Eukaryotics.Part 2- Animal model / Blood |
| LAB 5 | Genomic DNA Isolation from Prokaryotics. *E. coli* |
| LAB 6 |  Minipreparation of plasmid DNA |
| LAB 7 | Spectrophotometric analysis of nucleic acid concentration |
| LAB 8 | Principles and Practice of Agarose Gel Electrophoresis |
| LAB 9 | Competent Cells Preparation.  |
| LAB 10 | Transforming Competent Cells with Plasmid DNA |
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