

1. Record Nr.	UNINA9910786464803321
Autore	Becker Jeffrey M
Titolo	Biotechnology [[electronic resource]] : a laboratory course / / Jeffrey M. Becker, Guy A. Caldwell, Eve Ann Zachgo
Pubbl/distr/stampa	San Diego, : Academic Press, c1990
ISBN	0-323-15913-3 1-299-19350-1
Descrizione fisica	1 online resource (251 p.)
Altri autori (Persone)	CaldwellGuy A ZachgoEve Ann
Disciplina	660.6
Soggetti	Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Biotechnology: A Laboratory Course; Copyright Page; Dedication; Table of Contents; Preface; Acknowledgments; Suggested Schedule for Exercises; Record Keeping and Safety Rules; Format of Student Laboratory Records; Ten Dos and Don'ts of Record Keeping; Criteria for Grading the Laboratory Notebook; Safety Rules in the Laboratory; Chapter 1. Measurement of pH; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 2. Use of Micropipettors and Spectrophotometers; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 3. Aseptic Technique: Transferring a Culture; Introduction; Reagents/Supplies; Equipment; Procedure; Questions; Chapter 4. Establishing a Pure Culture: The Streak Plate; Introduction; Reagents/Supplies; Equipment; Procedure; Questions; Chapter 5. Preparation of Culture Media; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 6. The Growth Curve; Introduction; Reagents/Supplies; Equipment; Procedure; Data Collection and Results; References; Questions; Chapter 7. Isolation of Plasmid DNA from <i>Escherichia coli</i> : The Mini-Prep; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 8. Purification, Concentration, and Quantitation of DNA; Introduction; PART A PURIFICATION OF PLASMID DNA BY SOLVENT

EXTRACTION; Reagents/Supplies; Equipment; Procedure; PART CONCENTRATION OF PLASMID DNA; Reagents/Supplies; Equipment; Procedure; PART C QUANTITATION OF DNA; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 9. Isolation of Plasmid DNA: The Maxi-Prep; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions  
Chapter 10. Restriction Digestion and Agarose Gel ElectrophoresisIntroduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 11. Southern Transfer; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 12. Preparation, Purification, and Hybridization of Probe; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 13. Transformation of *Saccharomyces cerevisiae*; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 14. Transformation of *Escherichia coli* by Plasmid DNA  
IntroductionReagents/Supplies; Equipment; Procedure; References; Questions; Chapter 15. Protein Assays; Introduction; PART A LOWRY PROTEIN ASSAY; Reagents/Supplies; Equipment; Procedure; PART BRADFORD PROTEIN ASSAY; Reagents/Supplies; Equipment; Procedure; References; Question; Chapter 16.  $\beta$ -Galaetosidase Assay; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions; Chapter 17. Determination of  $\beta$ -Galactosidase in Permeabilized Yeast Cells; Introduction; Reagents/Supplies; Equipment; Procedure; References; Questions  
Chapter 18. Assay of  $\beta$ -Galactosidase in Cell Extracts

---

Sommario/riassunto

Biotechnology