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Nota di contenuto	Genetic Manipulation: Techniques and Applications; Contents; Contributors; Preface; Extraction, Purification and Assay of DNA; Isolation of DNA; Isolation of Plasmid DNA from Bacteria; Purification of DNA; Isolating Genomic DNA From Bacterial Cells; Isolating Mammalian DNA; Assay of DNA; References; Restriction Mapping of DNA; Restriction Enzymes; Approaches to Mapping; References; The Construction and Use of Cloning Vectors; The Commercially Available Vectors; The Construction of Vectors for Use with the Clostridia; References; Appendix I: Addresses of Suppliers of Cloning Vectors Appendix II: Addresses of Suppliers of Other Products Useful for Molecular BiologyAdaptor Based cDNA Cloning in the Phage Vectors Igt10 and Igt11; Experimental Methods; Results of cDNA Library Analysis; Discussion; Acknowledgements; References; Plasmid Profiling and DNA/DNA Hybridization for Distinguishing Between Mesophilic Aeromonas Bacteria; DNA/DNA Hybridization; Plasmid Profiling;

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Sommario/riassunto

Genetic manipulation is no longer the province of the specialized researcher. It is finding widespread application in all fields of medicine and biology. Nevertheless, application of these relatively new techniques to new areas of research is often fraught with unexpected problems and difficulties. Based on the Society for Applied Bacteriology's Autumn 1989 Conference, this unique volume covers a wide and very up-to-date range of techniques used in genetic engineering. These include the isolation and analysis of DNA and RNA from cells and tissues, the selection and use of phage and plasmic vec
