

Text Book of Animal Biotechnology

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Reviews

A really awesome pdf with lucid and perfect information. It is loaded with wisdom and knowledge I am just effortlessly could get a satisfaction of reading a composed book. (Claudine Jerde)

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TEXT BOOK OF ANIMAL BIOTECHNOLOGY



Discovery Publishing House Pvt. Ltd., 2009. Hardcover. Condition: New. Biotechnology is rapidly acquiring a prominent place in Animal research. Animal Biotechnology worldwide has made rapid advances in production and health, in the livestock us well as Fish industries. The application of new biotechnology methods in livestock industry, such as recombinant Dna techniques, cell culture, monoclonal antibody and others, have already generated a number of products for Improving Milk and Meat production, animal Health and food processing, and will definitely continue to do so. Products now Emerging ranged from rapid Diagnostic tests for contaminants in animal products to genetically engineered Animals to produce high value pharmaceuticals. In the Veterinary Medical research, biotechnology was initially applied to vaccine development and Diagnostics for early Disease detection. Recently this Novel Technology has contributed toward efforts for improvement of detoxification systems. Contents, 1. INTRODUCTION : Application of Animal Biotechnology; Transgenics; Gene Knockout Technology; Somatic Cell Nuclear Transfer 2. GENE KNOCKOUT Technology : Parameters Affecting the Efficiency of Targeted Mutagenesis in Bovine Cells; Objectives; Targeted Mutagenesis; Fish Embryo Cell Cultures For Targeted Gene Inactivation 3. CLONING WITH SOMATIC CELL NUCLEAR TRANSFER : Introduction; Materials and Methods; Nt Embryos; Ivp Embryos; Artificial Insemination; Pregnancy Rates; Maternal Breeds and Pregnancy Losses; Morphometric Analysis 4. IN VITRO FERTILISATION AND CELL CULTURE : Introduction; The Ivf Cycle; Cell Culture; The Growth of Cell Culture; Organ Culture; Techniques of Organ Culture 5. Breeding OF TRANSGENIC Animals : Introduction; The Reasons for Transgenic Animal's Production; How are Transgenic Animals Produced?; How Do Transgenic Animals Contribute to Human Welfare? 6. TRANSGENESIS AND GENE Therapy : Introduction; Gene Therapy; Embryonic Stem Cell-Mediated Transgenesis; Transgenic Models of Astrocytomas; Transgenic Astrocytoma Models; Different Types of Viruses Used as Gene Therapy Vectors; The Recent Developments in Gene Therapy Research 7. ANIMAL CLONING : Introduction; Development of Animal...

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