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RODENT MODELS OF INSULIN-DEPENDENT DIABETES MELLITUS -- Diabetes-Prone and Diabetes-Resistant Rats -- Breeding Techniques and Genetic Records -- Husbandry and Care -- Use of Spleen Cells to Reduce Frequency of Diabetes and Improve Breeding Efficiency -- Shipping Pathogen-Free Rats -- NOD Mice -- TRANSGENIC MICE -- Colony Management -- Embryo Donors -- Embryo Recipients -- Offspring -- Breeding Transgenic Mice -- Identification, Records, and Genetic Monitoring -- Embryo Cryopreservation -- Data Management -- Shipment and Receipt of Transgenic Rodents -- Human Health Hazards -- Administrative Issues -- REFERENCES -- Appendix Sources of Information on Importing Rodents -- Index.

animal issues have created a new research environment. This book brings researchers up to date on both of these aspects of laboratory investigation and provides a comprehensive resource manual for management of laboratory rodents. It reviews relevant laws and ethical considerations, and it examines the role and responsibilities of mandatory institutional animal care and use committees. The expert panel addresses animal selection, sources of laboratory rodents, nomenclature and record keeping, management of genetically and nongenetically defined colonies, and management of animals with special needs. Investigators will find detailed guidance on housing, environment, sanitation, diet and caloric restriction, and facilities design.
