



Fertilization and Embryonic Development In Vitro

By John D. Biggers

Springer Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 229x152x20 mm. This item is printed on demand - Print on Demand Neuware - InhaltsangabePrologue.- 1 Collection of Gametes in Laboratory Animals and Preparation of Sperm for in Vitro Fertilization.- Collection of Ova for in Vitro Fertilization.-Methods Presently Used for Sperm Collection.- Differences in Sperm as a Function of Collection Method.- Preparation of Ejaculated Sperm for Use in in Vitro Fertilization.- Methods Used to Induce Capacitation of Ejaculated Sperm.- References.- 2 Ovum Collection and Induced Luteal Dysfunction in Primates.-Ovum Collection.- Evaluation of Corpus Luteum function.-Induced Folliculogenesis.- Discussion and Conclusions.-References.- 3 Analysis of Culture Media for in Vitro Fertilization and Criteria for Success.- Culture Media.- Criteria for Success.-Conclusions.- References.- 4 In Vitro Culture of the Zygote and Embryo.- General Observations on Fertilization and Early Development in Vitro.- Metabolic Requirements for Embryonic Development in Vitro.- Complex Media and Biological Fluids for Embryo Culture.- Conclusions.- References.- 5 Mechanisms of Fertilization in Mammals.- Epididymal Maturation and Capacitation of Spermatozoa.- Acrosome and Acrosome Reaction.- Hyperactivation of Spermatozoa.- Interaction of Spermatozoa with the Cumulus Oophorus.- Interaction of Spermatozoa with the Zona Pellucida.- Sperm-Egg Fusion.-Decondensation of the Sperm Nucleus and Development of Sperm...



READ ONLINE

Reviews

These kinds of pdf is the greatest ebook accessible. It is one of the most amazing ebook i have got go through. Your life span will likely be transform once you comprehensive reading this article publication.

-- Santa Lowe

An extremely wonderful book with perfect and lucid explanations. This really is for those who statte that there had not been a worth reading. Your way of life span will be convert when you comprehensive reading this book.

-- Effie Douglas