DESCRIPTION

This comprehensive resource provides stepwise protocols for the in vitro cultivation of the major types of human tumors. Written in a reader-friendly style, this book is organized by specific tumor, discussing cultures for lung, gastric, colorectal, pancreas, bladder, prostate, ovary, cervix, mammary carcinoma, myoepithelium, squamous, melanoma, lymphoma, glioma, and neuroendocrine tumors. Detailed techniques for initiation, propagation, and characterization of established cell lines are presented. Drug treatment, selection, differentiation, assays for malignant cells, risks, and applications are discussed. An extensive listing of vendors for equipment and other cell culture products is also included.

ABOUT THE AUTHOR

R. Ian Freshney gained a B.Sc. (1960) and Ph.D. (1964) from Glasgow University, where he is on the faculty of Medical Oncology as a senior lecturer and an Honorary Senior Research Fellow. Dr. Freshney currently teaches a number of international basic and specialized cell culture courses, and his research interests include human tumor culture. He is the author of Culture of Animal Cells, a Manual of Basic Technique, and has edited numerous other books on specialized cell culture.

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