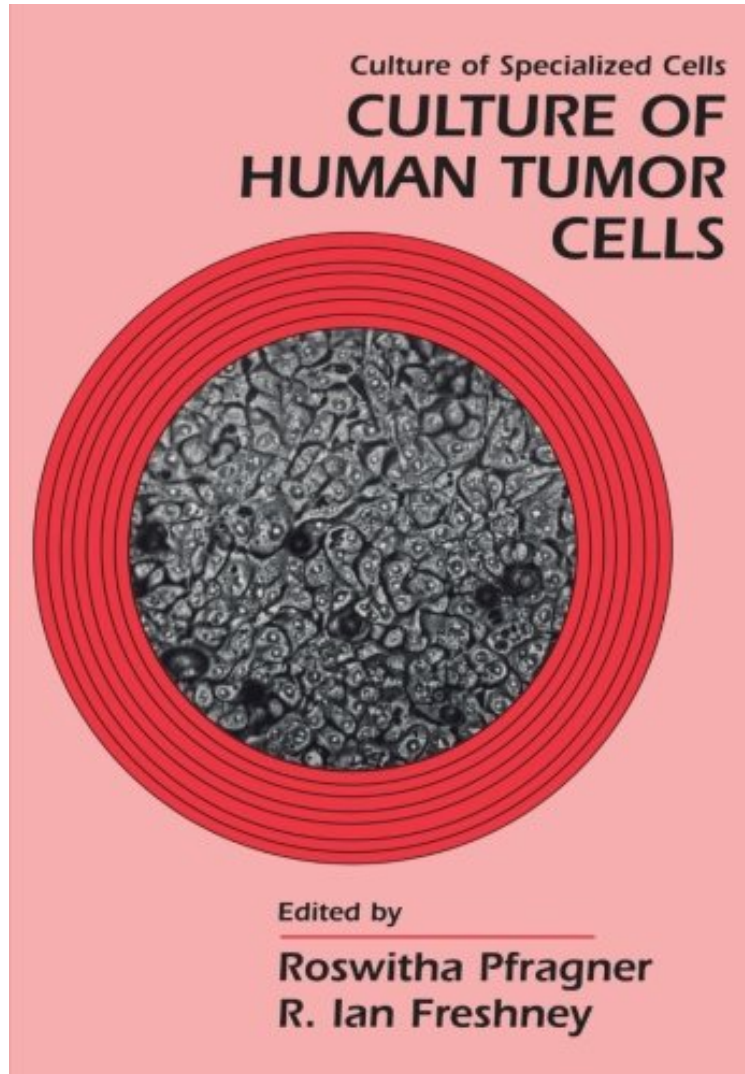


(Free) Culture of Human Tumor Cells

## Culture of Human Tumor Cells

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**From Wiley-Liss : Culture of Human Tumor Cells** before purchasing it in order to gage whether or not it would be worth my time, and all praised Culture of Human Tumor Cells:

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.

"This book should be used as reference source for culturing different tumor types. It is a cookbook of sorts, but instead of recipes it has protocols." (E-STREAMS, August 2004) From the Back Cover Human cell culture in experimental cancer research is taking on new importance in the post-genomic era, as new methods for genome-wide analysis allow researchers to analyze the effects of altered genomes on the cell. Roswitha Pfragner and R. Ian Freshney's critical compilation introduces culture of human tumor cells, from basic principles to detailed protocols, to the seasoned researcher and novice alike. Chapters are organized by tumors of clinical significance, and offer informative overviews of pathology, preparation, troubleshooting, applications, alternative methods, and a list of suppliers. This wide-ranging text covers culture for lung tumors, gastric cancer, colorectal cancer, pancreas, bladder, prostate, ovary, cervix, mammary carcinoma, myoepithelium, squamous, melanoma, lymphoma, glioma, and neuroendocrine tumors. In addition, *Culture of Human Tumor Cells*: Provides stepwise protocols by recognized experts Presents detailed techniques for initiation, propagation, and characterization of tumor cell lines Includes extensive listing of vendors for equipment and other cell culture products Discusses drug treatment, selection, differentiation, assays for malignant cells, risks, and applications Offers safety precautions, helpful tips, and a list of abbreviations Provides specific, practical details on how to prepare media and reagents for the isolation of culture protocols Scientists, research clinicians, students, and technicians in pathology, cancer biology, cell biology, biochemistry, biotechnology, and medicine will find *Culture of Human Tumor Cells* to be an incomparable resource. 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. Roswitha Pfragner, Ph.D., studied biology at the University of Vienna, Austria and is currently a senior lecturer at the Institute of Pathophysiology. Her research interests include human neuroendocrine tumors, multiple endocrine neoplasia, drug resistance, apoptosis, and genetic events in tumorigenesis.