

# Electromanipulation in Hybridoma Technology

Borrebaeck, Carl A.K.

Note: This is not the actual book cover

# Electromanipulation In Hybridoma Technology A Laboratory Manual

**Grahame W. Gould**



## **Electromanipulation In Hybridoma Technology A Laboratory Manual:**

*Electromanipulation in Hybridoma Technology* Carl A. K. Borrebaeck, Inger Hagen, 1989

**Electromanipulation in Hybridoma Technology** Carl A.K. Borrebaeck, Inger Hagen, 1990-06-18 A manual that details the techniques of electrofusion and electroporation by researchers who were the first to show that the platelet membrane glycoproteins GP IIb and GP IIIa are associated in a complex which triggered interest in electrofusion

*A Practical Guide to Monoclonal Antibodies* J. Eryl Liddell, A. Cryer, 1991-08-26 Includes all of the information required to produce monoclonal antibodies in the laboratory and to prepare them for use in a multitude of given applications Production procedures are treated in chronological order beginning with basic tissue culture techniques immunization strategies and screening test design followed by production of hybridoma cell lines and basic antibody characterization purification and labeling Each chapter contains explanatory text on each step with comparative analysis of methods where appropriate All necessary experimental protocols are presented in a self contained format that is easy to follow in the laboratory Alternative protocols are provided where relevant for others not included in full source references are presented Surveys the current status of human hybridoma production and antibody engineering using molecular biology techniques

**Guide to Electroporation and Electrofusion** Donald C. Chang, Bruce M. Chassy, James Saunders, Arthur E. Sowers, 2012-12-02 Electroporation is an efficient method to introduce macromolecules such as DNA into a wide variety of cells Electrofusion results in the fusion of cells and can be used to produce genetic hybrids or hybridoma cells Guide to Electroporation and Electrofusion is designed to serve the needs of students experienced researchers and newcomers to the field It is a comprehensive manual that presents in one source up to date easy to follow protocols necessary for efficient electroporation and electrofusion of bacteria yeast and plant and animal cells as well as background information to help users optimize their results through comprehension of the principles behind these techniques Covers fundamentals of electroporation and electrofusion in detail Molecular events Mechanisms Kinetics Gives extensive practical information The latest applications Controlling parameters to maximize efficiency Available instrumentation Presents applications of electroporation and electrofusion in current research situations State of the art modifications to electrical pulses and generators Application of electroporation and electrofusion to unique alternative cell and tissue types Gives straightforward detailed easy to follow protocols for Formation of human hybridomas Introduction of genetic material into plant cells and pollen Transfection of mammalian cells Transformation of bacteria plants and yeast Production of altered embryos Optimization of electroporation by using reporter genes Comprehensive and up to date Convenient bench top format Approximately 125 illustrations complement the text Complete references with article titles Written by leading authorities in electroporation and electrofusion

**National Library of Medicine Current Catalog** National Library of Medicine (U.S.), 1990

Permeability and Stability of Lipid Bilayers E. Anibal Disalvo, Sidney A. Simon, 2017-12-14 This book presents a comprehensive and coherent picture of how molecules diffuse across a liquid that is

on average only two molecules thick It begins by characterizing bilayers structurally using X ray diffraction and then mechanically by measuring elastic moduli and mechanisms of failure Emphasis is placed on the stability and mechanical properties of plant membranes that are subject to very large osmotic and thermal stresses Using this information the transport of molecules of increasing complexity across bilayers is analyzed *Current Catalog* National Library of Medicine (U.S.), First multi year cumulation covers six years 1965 70 *New Methods of Food Preservation* Grahame W. Gould,1995-12-31 Index **Practical Immunology** Frank C. Hay,Olwyn M. R. Westwood,2008-04-15 Practical Immunology is a basic text aimed at immunology students and researchers at all levels who need a comprehensive overview of the methodology of immunology The rapid and startling innovations in immunology over the past two decades have their root in sound experimental practice and it has always been the aim of this book to educate researchers in the design and performance of complex techniques It will appeal to students of immunology graduate students embarking on bench science or specialised immunologists who need to use an immunological technique outside their sphere of expertise The definitive lab bench book A one stop resource Techniques explained from first principles Basic forms of apparatus described in detail Totally revised with new user friendly layout to aid use in the lab Includes useful hints and tips *Hazard Assessment Of Chemicals* J. Saxena,1993-02-01 The majority of chapters in this volume are devoted to various aspects of health risk assessment the evaluation of health hazard associated with human risk exposure to environmental chemicals Among topics discussed **Proceedings of the ... European Symposium on Life Sciences Research in Space** ,1990 Virology Labfax David R. Harper,1993 LABFAX volumes are reference tools for practising scientists Previously vital information has been available only by consulting a wide variety of journals manuals and scraps of paper Finding exactly what you need to know takes time and can be a frustrating experience Each LABFAX brings together the key data for a major subject in a single volume saving hours of searching The LABFAX series is a natural companion to the many laboratory methods books Possible approaches are described and evaluated with full bibliographies provided for further reference where required Virology Labfax is a detailed compendium of the essential information on taxonomy culture and safe handling of viruses immunology monoclonal antibodies antivirals vaccines and many other subjects needed constantly by working virologists *Proceedings of the Fourth European Symposium on Life Sciences Research in Space, Trieste, Italy, 28 May-1 June 1990* ,1990 **Molecular and Antibody Probes in Diagnosis** Matthew R. Walker,Ralph Rapley,1993 Encyclopedia of Physical Science and Technology ,2002 Of the Encyclopedia of Physical Science and Technology Has been completely updated with no less than 90% revised material and 50% new content throughout the volumes Presents eighteen volumes nearly 800 authoritative articles and 14 500 pages Is lavishly illustrated with over 7 000 photographs illustrations and tables Presents an increased emphasis on the hottest topics such as information processing environmental science biotechnology and biomedicine Includes a final Index Volume containing Thematic Relational and Subject indexes Methods of

Immunological Analysis, Methods of Immunological Analysis Rene Masseyeff, Winfried Albert, Norman A. Staines, 1992-12-22  
Everyone conducting analyses using immunological methods should read METHODS OF IMMUNOLOGICAL ANALYSIS Now available Three detailed volumes supplying a complete practice oriented introduction to immunoanalysis A set in themselves they provide an extraordinarily comprehensive and up to date depiction of these methods Both specialists and non specialists will appreciate the broad scope of this set It covers a wide area of the life sciences chemistry and medicine adjusted to the extensive applicability of immunoanalytical techniques We at VCH feel that there is a definite need for this indispensable new series Immunoanalysis is widely practised by analysts whose interests or training are not primarily in immunology They clearly need the guidance that a good reference work provides Furthermore the range of immunochemical methods itself is so broad and its techniques so varied that even specialist immunologists and immunochemists find it difficult to assess different possible analytical approaches They too need the support of an extensive reference work Save 20% by subscribing to the series by 30 June 1993      Bibliography of Agriculture ,1991-04      Whitaker's Books in Print ,1998      **The Journal of Immunology** ,1989      **Seikagaku** ,1991

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