1. Record Nr. UNINA9910963851103321 Autore Fry Christopher H **Titolo** Ion-selective electrodes for biological systems / / Christopher H. Fry and Stephen E.M. Langley Amsterdam, The Netherlands, : Harwood Academic Publishers, c2001 Pubbl/distr/stampa **ISBN** 1-04-021326-X 0-429-17556-6 1-4822-9846-5 1-280-24248-5 9786610242481 0-203-30474-8 Edizione [1st ed.] Descrizione fisica 1 online resource (157 p.) Altri autori (Persone) LangleyStephen E. M Disciplina 541.3724 Soggetti Electrodes, Ion selective Biological systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto BOOK COVER; HALF-TITLE; TITLE; COPYRIGHT; TABLE OF CONTENTS; PREFACE; 1. ESSENTIAL PHYSICAL CHEMISTRY OF SOLUTIONS; 2. ELECTROCHEMICAL CELLS; 3. PRINCIPLES OF ION-SELECTIVE ELECTRODES; 4. MANUFACTURE OF DIP-CAST ION-SELECTIVE ELECTRODES; 5. ION-SELECTIVE MICRO-ELECTRODES; 6. CALIBRATION OF ION-SELECTIVE ELECTRODES: 7. THE PRESENTATION OF DATA OBTAINED WITH ION-SELECTIVE ELECTRODES; 8. INSTRUMENTATION; APPENDIX 1: APPENDIX 2: APPENDIX 3: APPENDIX 4: APPENDIX 5: APPENDIX 6: APPENDIX 7: INDEX Ion -Selective Electrodes for Biological Systems provides a user-friendly Sommario/riassunto and practical guide to the manufacture and use of ion-selective electrodes for a wide variety of experimental systems used in biology. The book is aimed at researchers with little practical experience in the field and will direct them through the steps involved in making electrodes, interpretation of the data, requirements of the recording apparatus, potential pitfalls involved in their use, and the range of

situations in which they can be used. This is the first book that deals