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## A Practical Guide to the Study of Calcium in Living Cells (Hardback)

By Nuccitelli

Elsevier Science Publishing Co Inc, United States, 1994. Hardback. Book Condition: New. 238 x 190 mm. Language: English . Brand New Book. A Practical Guide to the Study of Calcium in Living Cells describes popular techniques along with helpful do s and don t s and computer programs. The volume enables investigators to evaluate confocal images, use the latest dyes, and design Calcium buffers appropriate to their research needs. This book is designed for laboratory use by graduate students, technicians, and researchers in many disciplines, ranging from molecular to cellular levels of investigation. This title describes techniques for detection of  $[Ca^{2+}]_i$ :  $Ca^{2+}$  - sensitive microelectrodes, fluorescent dyes, and luminescent proteins. It includes techniques for perturbing intracellular  $Ca^{2+}$ . It covers detailed methodology plus problems and pitfalls of each technique. It contains a practical guide to preparing  $Ca^{2+}$  buffers with an easy-to-use computer program. The color plates illustrate techniques such as confocal ratio-imaging and use of aequorin.



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