

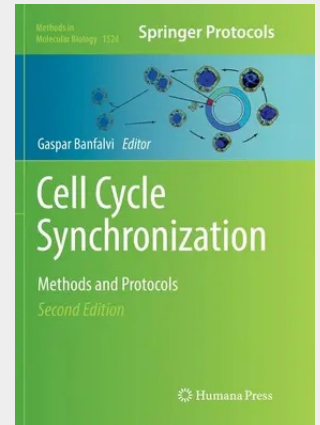
Cell Cycle Synchronization

Methods and Protocols

This second edition volume provides detailed protocols on the theoretical background of cell cycle synchronization procedures and instructions on how to implement these techniques. The chapters in *Cell Cycle Synchronization: Methods and Protocols, Second Edition* cover subjects such as: physical fractionations including centrifugal elutriation of healthy and apoptotic cells, and nuclei of mammalian cells; large scale mitotic cell synchronization; chromosome formation during fertilization in eggs; synchronization of unicellular organisms; hematopoietic stem cells used to improve the engraftment in transplantation; and cell cycle control. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls.

Practical and comprehensive, *Cell Cycle Synchronization: Methods and Protocols, Second Edition* is a valuable resource for PhD students and postdoctoral fellows, and researchers interested in general science, pharmacy, medicine and public health, computer science, and life sciences. Specialists and professionals in cell biology, genetics, molecular biology, biochemistry, and pharmacology will also find this book useful.

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117,69 €

109,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781493982486

Medium: Buch

ISBN: 978-1-4939-8248-6

Verlag: Copernicus

Erscheinungstermin: 07.07.2018

Sprache(n): Englisch

Auflage: Softcover Nachdruck of the original 2. Auflage 2017

Serie: Methods in Molecular Biology

Produktform: Kartoniert

Gewicht: 699 g

Seiten: 354

Format (B x H): 178 x 254 mm

