



## Maintaining cultures for biotechnology and industry [

Hunter-Cevera, Jennie C.  
Belt, Angela

Academic Press,  
c1996

Libros electrónicos

Monografía

To retain their usefulness, cultures that manufacture economically valuable products must be uncontaminated, viable, and genetically stable. *Maintaining Cultures for Biotechnology and Industry* gives practical advice necessary to preserve and maintain cells and microorganisms important to the biotechnology and pharmaceutical industries in ways that ensure they will continue to be able to synthesize those valuable metabolites. This book covers not just those strains currently being used but also those yet to be discovered and engineered. This text is essential for anyone working with cultures who wants to avoid the frustration of losing strains and needs to be able to devise and evaluate new strategies for preservation. Key Features \* Written by hands-on experts in their respective fields \* Contains helpful tables and protocols for preserving or maintaining cells, cultures and viruses \* Discusses means to preserve cells by freezing, lyophilization, drying, cyoprotection, spore storage, continuous propagation and subculturing when absolutely necessary, and others \* Gives information needed to test cultures for stable retention of important characteristics \* Gives principles needed to devise and evaluate preservation strategies for newly identified and newly engineered cells and organisms \* Lists culture sources for each class of organism \* Includes information for characterizing and monitoring recombinant organisms, especially important because of their propensity for genetic stability \* Discusses the history of the continually evolving field of culture preservation \* Examines the importance of genetically stable cultures as it relates to maintaining patent positions

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMTY1OTQ3MDU>

**Título:** Maintaining cultures for biotechnology and industry [Recurso electrónico] edited by Jennie C. Hunter-Cevera, Angela Belt

**Editorial:** San Diego Academic Press c1996

**Descripción física:** xiv, 263 p. ill. 23 cm

**Mención de serie:** Books on ScienceDirect

**Bibliografía:** Includes bibliographical references and index

**Contenido:** The Biological Deposition Requirement. History and Evolution of Culture Maintenance and Preservation Techniques. Algae. Eubacteria. Actinomycetes. Fungi. Protozoa. Animal Cells in Culture. Human and

Animal Viruses. Plant Germplasm. Plant Viruses and Viroids. Characterization of Cultures Used By Biotech and Industry

**Restricciones de acceso:** Acceso restringido a miembros del Consorcio de Bibliotecas Universitarias de Andalucía

**Detalles del sistema:** Modo de acceso: World Wide Web

**Fuente de adquisición directa:** ScienceDirect (M)

**ISBN:** 9780123619464 0123619467

**Materia:** Culture media (Biology) Biotechnology

**Autores:** Hunter-Cevera, Jennie C. Belt, Angela

---

### **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es