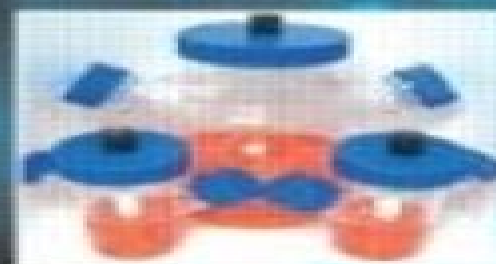


# Cell Culture and Upstream Processing



Edited by Michael Butler

**Cell Culture And Upstream Processing Author M Butler**  
**Published On May 2007**

**Michael Butler**



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Cell Culture and Upstream Processing Michael Butler, 2007-08-07 Each chapter in Cell Culture and Upstream Processing is taken from a presentation at the highly acclaimed IBC conferences and describe ways for scientists to improve yield and optimize the cell culture production process for biopharmaceuticals by focusing on safety quality economics and operability and productivity issues

**Cell Culture and Upstream Processing** Michael Butler, 2007-06-30 Upstream processing refers to the production of proteins by cells genetically engineered to contain the human gene which will express the protein of interest The demand for large quantities of specific proteins is increasing the pressure to boost cell culture productivity and optimizing bioreactor output has become a primary concern for most pharmaceutical companies Each chapter in Cell Culture and Upstream Processing is taken from presentations at the highly acclaimed IBC conferences as well as meetings of the European Society for Animal Cell Technology ESACT and Protein Expression in Animal Cells PEACe and describes how to improve yield and optimize the cell culture production process for biopharmaceuticals by focusing on safety quality economics and operability and productivity issues Cell Culture and Upstream Processing will appeal to a wide scientific audience both professional practitioners of animal cell technology as well as students of biochemical engineering or biotechnology in graduate or high level undergraduate courses at university

**Cell Culture** M. Butler, 1992

**Mammalian Cell Biotechnology** Michael Butler, 1991 The development of mammalian cell biotechnology has led to an extensive range of compounds which can be routinely produced by cell culture This book details the principles and practical techniques upon which this development is based

*Cell Culture* Michael Butler, Maureen M. Dawson, 1992

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