

Contents

Methods in Cell Separations

Maria B. Dainiak^{1,2} · Ashok Kumar^{1,2} · Igor Y. Galaev^{1,2} · B. Mattiasson^{1,2,3}

¹Department of Biotechnology, Center for Bioprocess and Chemical Engineering,

Lund University, P.O. Box 118, 221 00 Lund, Sweden

²biofusion@biocell.se

³Bioprocess Technology, ABB, 10184, 4374 and Sweden

Methods in Cell Separations

M. B. Dainiak · A. Kumar · I. Y. Galaev · B. Mattiasson 1

Flow Cytometry and Cell Sorting

S. F. Ibrahim · G. van den Engh 19

Cell Isolation and Expansion Using Dynabeads®

A. A. Neurauter · M. Bonyhadi · E. Lien · L. Nøkleby
E. Ruud · S. Camacho · T. Aarvak 41

Affinity Adsorption of Cells to Surfaces and Strategies for Cell Detachment

J. Hubble 75

Chromatography of Living Cells Using Supermacroporous Hydrogels, Cryogels

M. B. Dainiak · I. Y. Galaev · A. Kumar · F. M. Plieva · B. Mattiasson 101

Hollow-Fibre Affinity Cell Separation

R. E. Nordon · S. Craig 129

Cell Partitioning in Aqueous Two-Phase Polymer Systems

J. M. S. Cabral 151

Development of Separation Technique for Stem Cells

M. Kamihira · A. Kumar 173

Author Index Volumes 101–108 195

Subject Index 201