

1. Record Nr.	UNINA9911019921803321
Titolo	Culture of human stem cells // editors, R. Ian Freshney, Glyn N. Stacey, Jonathan M. Auerbach
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
ISBN	9786610900473 9781280900471 1280900474 9780470167526 0470167521 9780470167519 0470167513
Descrizione fisica	1 online resource (370 p.)
Collana	Culture of specialized cells
Altri autori (Persone)	FreshneyR. Ian StaceyG (Glyn) AuerbachJonathan M
Disciplina	616/.02774
Soggetti	Stem cells Human cell culture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Quality control procedures for stem cell lines / Glyn N. Stacey and Jonathan M. Auerbach -- Human embryonal stem cell lines: derivation and culture / Jessica A. Cooke and Stephen L. Minger -- Techniques for neural differentiation of human EC and ES cells / Jamie P. Jackson, Peter D. Tonge, and Peter W. Andrews -- Cardiomyocyte differentiation in human ES cells / Christine Mummery -- Culture of the human germ cell lineage / Lee Turnpenny and Neil A. Hanley -- Derivation and culture of human embryonal carcinoma stem cell lines / Stefan Przyborski -- Culture of umbilical cord- and cord blood-derived stem cells / Young-Jin Kim -- Multipotent stem cells in dental pulp / Wataru Sonoyama ... [et al.] -- Fundamentals of culture and characterization of mesenchymal stem/progenitor cells (MSCs) from bone marrow stroma / Carl A. Gregory and Darwin J. Prockop -- Isolation, characterization,

and culture of soft connective tissue stem/progenitor cells / Charles W. Archer ... [et al.] -- Culture of human corneal stem cells / Yiqin Du and James L. Funderburgh -- Culturing mammary stem cells / Mark A. Labarge, Ole W. Petersen, and Mina J. Bissell -- Tissue culture of adipose-derived stem cells / Kristine M. Safford and Henry E. Rice.

Sommario/riassunto

This book collects the most effective and cutting-edge methods and protocols for deriving and culturing human embryonic and adult stem cells-in one handy resource. This groundbreaking book follows the tradition of previous books in the Culture of Specialized Cells Series- each methods and protocols chapter is laid out exactly like the next, with stepwise protocols, preceded by specific requirements for that protocol, and a concise discussion of methods illustrated by data. The editors describe a limited number of representative techniques across a wide spectrum of stem cells from embryo
