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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.

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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

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