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Titolo	Tissue and cell processing [[electronic resource]] : an essential guide / / edited by Deirdre Fehily ... [et al.]
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Altri autori (Persone)	FehilyDeirdre
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Regulations and standards / Michael Cox and Scott A. Brubaker -- Risk management in tissue & cell processing / Diane Wilson and Johann Kurz -- Principles of cell collection and tissue recovery / Helen Gillan, Derwood Pamphilon, Scott A. Brubaker -- Principles of cell and tissue cryopreservation / Ying C. Song and David E. Pegg -- Principles of tissue decontamination and sterilization / Lloyd Wolfenbarger, Jr. and Pierre Lory -- Control of contamination and cross contamination during processing : optimising the processing environment / Lisa Nair, Marisa Roma Herson, and Kyle Bennett -- The principles of process validation and equipment qualification / Martell Winters and Richard Lomas -- Biomechanical and biocompatibility testing considerations / Caroline A. Hartill -- Coding and traceability / Stefan Poniatowski, Izabela Uhrzynowska-Tyszkiewicz, and Ineke Slaper-Cortenbach -- Training of tissue bank personnel / Marti Manyalich ... [et al.] -- Cardiac tissue : specific recovery and processing issues / Alyce Linthurst Jones ... [et

al.] -- Skin : specific recovery and processing issues / Elisa Pianigiani and Jan L. Pierce -- Ophthalmic tissues : recovery and processing issues / Diego Ponzin, Patricia Dahl, and Elisabeth Pels -- Skeletal tissue : specific recovery and processing issues / Joel Osborne ... [et al.] -- Processing of cells for transplantation / Mark W. Lowdell & Edward Samuel -- Gametes and embryos : specific collection and processing issues / Montserrat Boada and Anna Veiga -- Engineering of human tissue grafts / John N. Kearney and Francisco da Costa.

Sommario/riassunto

By presenting the latest technological advances and growing national and international regulation, this new book explores state-of-the-art developments in the challenging field of tissue and cell processing. It provides a guide to easier and safer practice in operational principles of preservation, decontamination, and sterilization. Nearly half of the book is devoted completely to tissue- or cell-specific issues relating to processing. With lists of learning points and case studies which consist of sample processing protocols, descriptions of where processing went wrong, sample risk assessmen
