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Descrizione fisica	1 online resource (xxi, 395 pages) : illustrations
Disciplina	616.6/507
Soggetti	Reproductive toxicology Biochemical markers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliography (p. 319-372) and index.
Nota di contenuto	Executive summary -- Report of the Oversight Committee. I. Biologic markers in male reproductive and gametic genetic toxicology. Introduction -- Clinical evaluation of male infertility -- Biologic markers of testicular function -- Biologic markers of epididymal structure and function -- Biologic markers of accessory sex organ structure and function -- Biologic markers of human male reproductive health and physiologic damage -- Assessing transmitted mutations in mice -- Markers for measuring germinal genetic toxicity and heritable mutations in people -- Conclusions and recommendations. II. Biologic markers in female reproductive toxicology. Introduction -- Biologic markers of genetic damage in females -- Biologic markers of reproductive development and aging -- Biologic markers of nonconceptive menstrual cycles -- Developing assays of biologic markers for epidemiologic studies: experience with a marker of pregnancy and early loss -- Conclusions and recommendations. III. Biologic markers of toxicity during pregnancy. Introduction -- Molecular biology: developing DNA markers of genotoxic effects --

Reproductive immunology: biologic markers of compromised pregnancies -- Cell biology: identifying biologic markers expressed during early pregnancy -- Physiologic assessment of fetal compromise -- Conclusions and Recommendations. IV. Biologic Markers in Neurodevelopmental Toxicology. Introduction -- Developmental neurobiology of the central nervous system -- Morphologic, neurochemical, and behavioral responses to toxic agents -- Methodologic issues of extrapolation from animal studies to human toxicant exposure -- Lead as a paradigm for the study of neurodevelopmental toxicology -- Conclusions and recommendations -- Appendix: Assessing the validity of biologic markers: alpha-fetoprotein -- References -- Biographies -- Index.

Sommario/riassunto

Examines the potential use of these markers in environmental health studies, and clarifies definitions, underlying concepts, and possible applications. Acidic paper. Annotation(c) 2003 Book News, Inc., Portland, OR (booknews.com).
