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Titolo	Biological safety [[electronic resource]] : principles and practices // editors, Diane O. Fleming, Debra L. Hunt
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Edizione	[4th ed.]
Descrizione fisica	1 online resource (642 p.)
Altri autori (Persone)	FlemingDiane O HuntDebra Long
Disciplina	570.289
Soggetti	Microbiological laboratories - Safety measures Biological laboratories - Safety measures
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	Microbial flora of humans and microbial virulence factors -- Indigenous and pathogenic agents of research animals -- Laboratory, growth chamber, and greenhouse microbial safety: plant pathogens and plant-associated microorganisms of significance to human health -- Epidemiology of laboratory-associated infections -- Risk assessment of biological hazards -- Bacterial pathogens -- Protozoa and helminths -- Mycotic agents of human disease -- Viral agents of human disease: biosafety concerns -- Biosafety for microorganisms transmitted primarily by the airborne route -- Cell lines: applications and biosafety -- Allergens of animal and biological systems -- Biological toxins: safety and science -- Design of biomedical laboratory facilities -- Primary barriers and equipment-associated hazards -- Priamry barriers: biological safety cabinets, fume hoods, and glove boxes -- Personal respiratory protection -- Standard (Universal) precautions for handling human specimens -- Prudent biosafety practices -- Decontamination and disinfection -- Packing and shipping biological materials -- Biological safety program management -- Biosafety compliance: a global perspective -- Occupational medicine in a

biomedical research setting -- Measuring biosafety program effectiveness -- Biosafety of prion diseases -- Safety considerations in the BSL-4 maximum-containment laboratory -- Biosafety and viral gene transfer vectors -- Biosafety in the teaching laboratory -- Biosafety in the pharmaceutical industry -- Large-scale production of microorganisms -- Special considerations for agriculture pathogen biosafety -- Biosafety and biosecurity: regulatory impact.

Sommario/riassunto

The fourth edition of Biological Safety: Principles and Practices continues the format of the previous edition, focusing closely on infectious and toxic biological agents and their identification and control.
