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ISBN	3-030-42917-2
Edizione	[Fifth edition.]
Descrizione fisica	1 online resource (XIII, 691 p. 188 illus., 23 illus. in color.)
Disciplina	614.13
Soggetti	Forensic toxicology Toxicologia Medicina legal Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part 1: Introduction -- Post Mortem Forensic Toxicology -- Human Performance Toxicology -- Drug-Facilitated Sexual Assault -- Forensic Drug Testing -- Performance enhancing Drug Testing -- Drug Testing in Pain Management -- Pharmacokinetics and Pharmacodynamics -- Part II. Specimen Preparation -- Spectrophotometry -- Chromatography -- Derivatization -- Immunoassay -- Mass Spectrometry -- Quantitation -- Method Validation -- Measurement Uncertainty and Traceability -- Statistics in Forensic Toxicology -- Part III Analytes -- Alcohol -- Benzodiazapines -- Gammahydroxybutyric acid,- Miscellaneous Central Nervous System Depressants -- Opioids -- Cocaine -- Cannabis -- Amphetamines-Sympathomimetic Amines,- Hallucinogens and Psychedelics -- Antidepressants and Neuroleptics -- Miscellaneous Therapeutic Drugs -- Carbon Monoxide/Cyanide -- Inhalants -- Metals -- Part III Special Topics -- Stability of Drugs of Abuse in Biological Systems -- Postmortem Redistribution of Drugs -- Postmortem Clinical Testing -- Pharmacogenomics -- Hair Drug Testing -- Oral Fluid Testing -- Meconium Drug Testing -- Drugs in Embalmed Tissues.
Sommario/riassunto	The fifth edition of the best-selling Principles in Forensic Toxicology continues in the tradition of excellence in academic publishing. With

over 10 years of classroom-tested and continually updated content, the new edition contains significant updates and 7 new chapters on new topics including drug-facilitated crimes, derivatization, quantitation, measurement uncertainty/traceability, statistics, oral fluid testing, and drugs in embalmed specimens. Part One covers the major sub-disciplines of forensic toxicology in addition to pharmacological concepts. Part Two addresses specimen preparation, laboratory testing and instrumental analysis, while Part Three discusses common analytes including cocaine, opioids, alcohol, and marijuana. Adopted for courses in many of the top universities for forensic science and used by respected medical examiner's offices and crime laboratories worldwide, Principles of Forensic Toxicology prepares the next generation of forensic toxicologists and continues to be an important reference in professional practice.
