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Titolo	Resolving erroneous reports in toxicology and therapeutic drug monitoring : a comprehensive guide // Amitava Dasgupta
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An introduction to tests performed in toxicology laboratories and methodologies available for such testings -- Challenges in drugs of abuse testing -- False positive results in immunoassays for drugs of abuse testing -- True positive drugs of abuse test results due to prescription and non-prescription drugs -- When toxicology report is negative in a suspected overdosed patient : the world of designer drugs -- Abuse of magic mushroom, peyote cactus and solvent : no readily available laboratory tests -- False positive alcohol tests using breath analyzers and automated analyzers -- Role of laboratory in detecting other poisoning including pesticides, ethylene glycol, and methanol -- Poisoning with warfarin and superwarfarin : what laboratory can do? -- Plant poisoning and clinical laboratory -- Sources of erroneous results in therapeutic drug monitoring due to pre-analytical errors, high bilirubin, hemolysis, and heterophilic antibody -- Interferences in immunoassays used for digoxin monitoring -- Interferences in

immunoassays used for monitoring anticonvulsants and usefulness of monitoring free anticonvulsants in certain patients -- Interferences in immunoassays used for monitoring tricyclic antidepressant -- Therapeutic drug monitoring of immunosuppressant drugs : limitations of immunoassays and need for chromatographic methods -- Effect of drug-herb interactions on therapeutic drug monitoring -- Pharmacogenomics and toxicology laboratory -- Approaches for eliminating interference/discordant specimen in therapeutic drug monitoring and drugs of abuse testing.

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#### Sommario/riassunto

The tools for detecting false positives, false negatives, and interference in interactions when testing and monitoring therapeutic drug use. For physicians monitoring a patient's progress, efficacy of treatment is often linked to a patient's response to medication. Determining whether a patient is taking the prescribed amount, the drug or dosage is effective, or the prescribed medication is interacting with other drugs can be determined through drug testing. Written as a guide for toxicologists, chemists, and health professionals involved in patient care, *Resolving Erroneous*

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