



Resolving Erroneous Reports in Toxicology and Therapeutic Drug Monitoring: A Comprehensive Guide

Amitava Dasgupta

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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 Reports in Toxicology and Therapeutic Drug Monitoring* provides an up-to-date introduction to the tests and methodologies used in a toxicology lab as well as the sources of testing error that can lead to false positives, false negatives, and unreliable conclusions of drug abuse or under use.

Covering a host of common therapeutic drugs as well as specific types of interference in immunoassays used in drug testing, the book details a number of possible testing scenarios and problems as well as solutions:

- False positive results in immunoassays for drugs in abuse testing
- Interferences in immunoassays used for monitoring anticonvulsants, tricyclic antidepressants, and digoxin
- False positive alcohol tests using breath analyzers and automated analyzers
- When a toxicology report is negative in a suspected overdose patient: the world of designer drugs
- Effects of drug-herb interactions on therapeutic drug monitoring
- Pharmacogenomics and the general principles of genetic analysis
- Approaches for eliminating interference/discordant specimen in therapeutic drug monitoring and drugs in abuse testing
- What to do in case there is no readily available method for testing

Complete with easy-to-read tables and flowcharts, this book helps toxicologists, clinical chemists, clinical pathologists, and forensic pathologists develop accurate, unbiased drug monitoring and toxicology reports. Health care professionals involved in patient care, especially of critically ill patients, will find this guide indispensable in making sure lab tests are reliable enough to provide high-quality care. An indispensable handbook to the entire suite of toxicology lab tests, as well as all the possible sources of testing error, *Resolving Erroneous Reports in Toxicology and Therapeutic Drug Monitoring* offers clear remedies for eliminating and preventing testing error.

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Sean Lee:

Exactly why? Because this Resolving Erroneous Reports in Toxicology and Therapeutic Drug Monitoring: A Comprehensive Guide is an unordinary book that the inside of the reserve waiting for you to snap the idea but latter it will shock you with the secret the item inside. Reading this book next to it was fantastic author who also write the book in such remarkable way makes the content on the inside easier to understand, entertaining way but still convey the meaning fully. So , it is good for you for not hesitating having this any longer or you going to regret it. This unique book will give you a lot of benefits than the other book include such as help improving your talent and your critical thinking technique. So , still want to delay having that book? If I were being you I will go to the reserve store hurriedly.

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Gertrude Ponder:

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