



TOX 01 Purpose and Introduction

Purpose

1. The purpose of the Toxicology Section within the Colorado Bureau of Investigation (CBI) is as follows:
 - 1.1. To provide toxicological analyses of biological samples to determine the presence of drugs and other substances in cases involving but not limited to:
 - 1.1.1. Vehicular accidents, driving under the influence of alcohol and/or drug(s) cases, drug facilitated crimes (DFC), postmortem death investigations, and other types of cases involving drugs and/or metabolites.
 - 1.1.2. The Scope of Toxicology testing includes, but is not limited to, typical substances such as Ethanol, drugs of abuse such as Barbiturates, Benzodiazepines, Carisoprodol, Cocaine, Marijuana, Opiates including Oxycodone/Oxymorphone, Sympathomimetic Amines, Zolpidem and many prescription medications.
 - 1.2. To issue written reports of results.
 - 1.3. To provide expert witness testimony and consultations on matters relative to toxicology and criminal statutes in the state of Colorado.
 - 1.4. To conduct research and develop new methodology to improve the quality of the entire toxicological process.
2. CBI ensures all toxicological analyses are performed in a professional, competent, reliable, objective and impartial manner.

Introduction

1. The Toxicology Discipline Operating Manual (DOM) contains general procedures as well as analytical procedures used in the Toxicology section.
2. The manual is divided into two sections.
 - 2.1. The general procedures (TOX-01 thru TOX-09 and TOX-10-01 thru TOX-10-06) contain information about the quality procedures of the Toxicology Section.
 - 2.2. The analytical procedures begin at TOX-10-07 and contain specific toxicology methodology.
 - 2.2.1. The procedures shall be reviewed annually by the Toxicology Program Manager and electronically recorded in Qualtrax with date of occurrence.
 - 2.2.1.1. Any changes to the controlled documents must be conducted and documented by the Quality Assurance Manager and electronically recorded in Qualtrax.
 - 2.2.1.2. All DOM documents, archived or active, are stored indefinitely.
 - 2.2.2. Subheadings of analytical procedures may include the following:
 - 2.2.2.1. Purpose.
 - 2.2.2.2. Principle.
 - 2.2.2.3. Scope.
 - 2.2.2.4. Specimen Criteria.
 - 2.2.2.5. Reference Material and Reagents.
 - 2.2.2.6. Supplies and Equipment.
 - 2.2.2.7. Preparation.

Toxicology

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- 2.2.2.7.1. Internal Standard Working Stock Preparation.
- 2.2.2.7.2. Control Working Stock Preparation.
- 2.2.2.7.3. Calibration Working Stock Preparation.
- 2.2.2.7.4. Calibrators and Controls.
- 2.2.2.7.5. Reagent Preparation.
- 2.2.2.8. Sample Preparation Procedure.
- 2.2.2.9. Instrumentation.
- 2.2.2.10. Data Analysis.
- 2.2.2.11. Quality Control and Acceptance Criteria.
- 2.2.2.12. Reporting Results.
- 2.2.2.13. Limitations of Procedure.
- 2.2.2.14. References.

3. The manual is intended to be a continuing representation of the procedures in use and will be revised and updated whenever changes are adopted.