### TABLE OF CONTENTS

## **Section One**

## **Enzyme Immunoassay**

- 1.0 Enzyme Linked Immunosorbent Assay for Screening Drugs-of Abuse in Urine and Blood.
- 1.1 Enzyme Immunoassay Screening for Drugs-of-Abuse in Urine

## **Section Two**

## **Urine Toxicology**

- 2.3 Solid Phase Extraction (SPE) Methods for Qualitative GC/MSD Confirmation
  - 2.3.6 Cocaine and the Cocaine Metabolite, Benzoylecgonine UCT 200mg CLEAN SCREEN® Extraction Column
- 2.4 Liquid-liquid Extraction Methods for Qualitative GCMSD Confirmation
  - 2.4.1 General Extraction with ANSYS® Diagnostics, Inc. Toxi-A (basic) and Toxi-B (acide) Extraction Tubes
  - 2.4.2 Gamma-Hydroxybytyrate (GHB)
  - 2.4.3 Benzodiazepines
  - 2.4.4 Carboxy THC

# **Section Three**

## **Blood Toxicology**

- 3.3 Gas Chromatographic Blood Screening
  - 3.3.1 Basic and Neutral Drug Compounds
  - 3.3.2 Strongly Basic Drug Compounds
  - 3.3.3 Acidic Drug Compounds
- 3.6 Liquid-liquid Extraction Methods for Qualitative GC/MSD Confirmation
  - 3.6.1 Basic and Neutral Drugs
  - 3.6.2 Acidic and Neutral Drugs

3.6.7 High pKa Drugs

#### 3.10 SPE Methods for Quantitative GC/MSD Confirmation

- 3.10.1 THC and Carboxy-THC UCT 200 mg CLEAN SCREEN® THC Extraction Column
- 3.10.2 Methamphetamine and Amphetamine Bond Elut Certify<sup>TM</sup> Extraction Column
- 3.10.3 Free (Unbound) Codeine and Morphine UCT 200 mg CLEAN SCREEN® DAU Extraction Column
- 3.10.4 Cocaine and Cocaine Metabolites
  UCT 200 mg CLEAN SCREEN® DAU Extraction Column

#### **Section Four**

## **Analysis of Ethanol and Common Volatile Solvents**

Deleted from the toxicology methods and added to the Alcohol methods.

## **Section Five**

### **Quality Assurance**

- 5.1 Verification of Pipette Calibration
  - 5.1.1 Option One PCS 2 Pipette Calibration System for Intermediate Check
  - 5.1.2 Option Two: Gravimetric Pipette Intermediate Check
- 5.2 Balance Calibration and Intermediate Checks
- 5.7 Review of Toxicology Proficiency and Competency Tests
- 5.8 Quality Assurance Measures Urine and Blood Toxicology
- 5.9 Testing Guidelines
- 5.10 Authentication of Reference Materials Urine and Blood Toxicology
- **5.11** Key Ions for Commonly Encountered Compounds
- **5.12** Solution Preparation
- 5.13 Confidence in Quantitative Analytical Data