

Edwin A. Smith, M.S., D-ABFT-FT, D-ABC, FAS

Curriculum Vitae

May 2015

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CURRENT EMPLOYMENT:

Private Consultant
Edwin A Smith Forensic Consulting

BOARD CERTIFICATIONS:

Diplomate - American Board of Forensic Toxicology (D-ABFT-FT)	2014 -
Forensic Toxicology Specialist - American Board of Forensic Toxicology	2012 - 2014
Diplomate - American Board of Criminalistics (D-ABC)	2003 -

UNIVERSITY EDUCATION:

M.S.	University of Florida, College of Veterinary Medicine Veterinary Medical Sciences, Concentration in Forensic Toxicology
B.S.	California State University, Sacramento Major in Forensic science Minor in Chemistry

OTHER QUALIFICATIONS / PROFESSIONAL ORGANIZATIONS:

2002 - Forensic Alcohol Supervisor (FAS), California Dept of Public Health
1991 - Forensic Alcohol Analyst (FAA), California Dept of Public Health
Qualified in Standardized Field Sobriety Tests (NHTSA and IACP Approved)
Board member of the California Association of Toxicologist (CAT)

Experience:

- More than twenty-four years of experience as a Forensic Scientist.
- Testified more than 200 times in California and Federal courts, including testimony involving the analysis of drug samples, the illicit manufacture of drugs, the analysis of biological fluids for drugs including ethanol, and the interpretation of those findings.
- Testified in more than 200 DMV *administrative per se* hearings.
- Analyzed more than 1,000 blood and/or urine samples for the presence of ethyl alcohol, and performed more than 5,000 analyses of blood and/or urine samples for the presence of drugs and/or poisons.
- Analyzed more than 2000 cases for the presence of controlled substances in powders, liquids, etc.
- Analyzed more than 30 cases involving suspected clandestine laboratory evidence, and have responded to more than 20 suspected clandestine laboratory crime scenes.
- Participated in alcohol drinking studies, including correlation studies, blood and breath alcohol testing, and performance of standardized field sobriety tests.
- Professional experience in various areas of forensic toxicology, including human performance toxicology, workplace drug testing, and post-mortem toxicology.
- I have lectured on forensic toxicology at Mandatory Continuing Legal Education (MCLE) workshops for both prosecution and defense groups.

Courtroom / Testimony Experience:

<u>Discipline</u>	<u>Number of times</u>
Toxicology	Greater than 90
Drug Analysis	Greater than 50
Forensic Alcohol	Greater than 100
Clandestine Laboratory	7
DMV Administrative Hearings	Greater than 200

Employment History:

Employer

Edwin A Smith Forensic Consulting (self employed)
Private consultant – Forensic toxicology and chemistry

Dates

June 2015 to present

Employer

Drug Detection Laboratories, Inc. Sacramento, CA

Job title

Forensic Toxicologist

Principal duties

Forensic toxicology; analysis, data review, case analysis, testimony

Dates

April 2004 to May 2015

Employer

Sacramento County Laboratory of Forensic Services

Job title(s)

Laboratory Technician; Criminalist II, III, and Supervising Criminalist (Toxicology Section)

Principal duties

Toxicology – Analysis of biological fluids and tissues for drugs and poisons

Supervision of Toxicology Section (2000 – 2002)

Controlled Substance Analysis

Clandestine Laboratory Analysis and Response (Team Leader)

Blood Alcohol Analysis

Blood Typing and Preservation

Dates

Nov 1993 to Dec 2004

Employer

Drug Detection Laboratories, Inc. Sacramento, CA

Job title(s)

Toxicology Assistant, Forensic Toxicologist

Principal duties

Workplace and human performance toxicology

Blood Alcohol Analysis

Solid Dose Drug Analysis

Dates

Nov 1990 to Nov 1993

Other long-term employment

Sierra Springs Water Company (employed seven years, some part time)

Duties: Warehouseman, truck driver (including Class 1 license)

Dates

1979-1986

Partial list of Continuing Education

<u>Type of training</u>	<u>Provided by</u>	<u>Date</u>
Technologies for Storage, Treatment and Disposal of Hazardous Materials	University of Cal. Davis Extension	1993
Quantitative Analysis and Practical Laboratory Exercises	University of Cal. Davis Extension	1993
Current Trends in Toxicology	Northwest Association of Forensic Science	1994
Interpretation of Mass Spectra	California Criminalistics Institute	1995
Interpretation of Infrared Spectra	California Criminalistics Institute	1995
International Symposium of Explosives	A.T.F.	1995
Hazardous Waste Handling and Operations, 40 Hour Course	Network Environmental Systems, Inc.	1995
Firearms Safety	California Criminalistics Institute	1995
Methamphetamine Synthesis	Drug Enforcement Administration	1995
Introduction to Explosive Analysis	California Criminalistics Institute	1995
Clandestine Laboratory Awareness, 8-Hour	Network Environmental Systems, Inc.	1996
Analysis of Low Explosives	California Criminalistics Institute	1996
Explosive Analysis	F.B.I. Academy	1996
Arson Accelerant Detection	California Criminalistics Institute	1996
Clandestine Laboratory Analysis and Synthesis	California Criminalistics Institute	1996
Confined Space Rescue Awareness	The Continuing Challenge Workshop	1997
Clan Labs: Discovery to Redemption	The Continuing Challenge Workshop	1997
Drug Labs: Handling Ammonia Tanks	CADRE, Inc.	1997
Advanced Clandestine Laboratory Safety	Network Environmental Systems, Inc.	1997
Advanced Fire Debris Analysis	California Criminalistics Institute	1997
Confined Space Rescue Awareness	The Continuing Challenge Workshop	1997
Clan Labs: Discovery to Remediation	The Continuing Challenge Workshop	1997
Forensic Alcohol Supervisors Course	California Criminalistics Institute	1998
Introduction to Forensic Toxicology	California Criminalistics Institute	1998
Intoxylizer 5000 factory training	CMI, Kentucky	2001
Lecture by Marcelline Burns on the Effects of Alcohol	Part of Alcohol Training Course (CCI)	2004
Pharmacology and Implications for Health Care Practitioners	American River C.C.	2004
Borkenstein Course "The Effects of Drugs on Human Performance and Behavior"	Indiana University	2004
Standardized Field Sobriety Tests	LaPier & Associates	2007

Many Other workshops and lectures provided by the California Association of Toxicologists (CAT)