

Curriculum Vitae

(Revised August 2009)

Name: Edwin A. Smith

Title: Forensic Toxicologist / Criminalist

University Education:

California State University Sacramento	Bachelor of Science in Forensic Science	Minor in Chemistry
University of Florida	Master of Science in Forensic Toxicology	School of Veterinary Medical Science

Experience:

- Nineteen years of experience as a Forensic Toxicologist / Criminalist.
- Testified more than 185 times in California and Federal courts, including testimony involving the analysis of drug samples, the illicit manufacture of drugs, the analysis of biological fluids and tissue for drugs, and the interpretation of those findings.
- Analyzed more than 1000 blood and/or urine samples for the presence of ethyl alcohol.
- Performed more than 5,000 analyses of blood and/or urine samples for the presence of drugs and poisons.
- Analyzed more than 2000 cases for the presence of controlled substances in powers, liquids, etc.
- Analyzed more than 30 cases involving suspected clandestine laboratory evidence, and have responded to more than 20 suspected clandestine laboratory crime scenes.
- Involved in numerous alcohol drinking studies, including correlation studies 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.
- Testified in more than 100 DMV hearings.

Board Certification:

Diplomate of the American Board of Criminalistics (D-ABC)

Date First Issued

April 2003

Other Qualifications/Professional Organizations:

Forensic Alcohol Analyst, California Department of Health Services (FAA)

July 1991

Forensic Alcohol Supervisor, California Department of Health Services (FAS)

June 2002

Qualified to Administer Standardized Field Sobriety Tests (NHTSA and IACP approved)

November 2007

Full Member & Committee Chair of the California Association of Toxicologists

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University Degrees and Graduation Dates:

California State University Sacramento	Bachelor of Science in Forensic Science / Minor in Chemistry; School of Health and Human Services.	Spring 1991
University of Florida	Master of Science with a major in Veterinary Medical Science; Concentration in Forensic Toxicology.	Summer 2009

Courtroom Experience:

<u>Discipline</u>	<u>Number of times</u>
Toxicology	Greater than 70
Drug Analysis	Greater than 50
Forensic Alcohol	Greater than 50
Clandestine Laboratory	6
DMV Administrative Hearings	Greater than 100

Employment History (forensic science related only):

<u>Employer</u> Drug Detection Laboratories, Inc. Sacramento, CA	<u>Dates</u> April 2004 to Present
<u>Job title</u> Forensic Toxicologist	
<u>Principal duties</u> Forensic toxicology; analysis, data review, case analysis, testimony	

<u>Employer</u> Sacramento County Laboratory of Forensic Services	<u>Dates</u> Nov 1993 to Dec 2004
<u>Job title(s)</u> Laboratory Technician; Criminalist II, III, and Supervising Criminalist (Toxicology Section)	
<u>Principal duties</u> 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	

<u>Employer</u> Drug Detection Laboratories, Inc. Sacramento, CA	<u>Dates</u> Nov 1990 to Nov 1993
<u>Job title(s)</u> Toxicology Assistant, Forensic Toxicologist	
<u>Principal duties</u> Workplace and human performance toxicology Blood Alcohol Analysis Solid Dose Drug Analysis	

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Other training/continuing education/presentations:

<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
Roche Ground Rounds Symposia	Roche Diagnostic Systems	1994
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 Nazi Ammonium 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

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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
Lecturer: Continuing Legal Education training (MCLE)	Sacramento County District Attorney's Office	2004
Lecturer: Continuing Legal Education training (MCLE)	Solano County Public Defender's Office	2005
Standardized Field Sobriety Tests	LaPier & Associates	2007
Lecturer: Continuing Legal Education training (MCLE)	Solano County Public Defender's Office	2009

Many other professional workshops and lectures provided by the California Association of Toxicologists.