

## **RESUME OF QUALIFICATIONS**

### **DEBORAH MADDEN**

San Francisco Police Dept., 850 Bryant St., San Francisco CA 94103, (415) 671-3262

#### **QUALIFICATIONS:**

Analysis of controlled substances

Forensic Alcohol Analyst

Laboratory Safety Officer

Identification and individualization of blood, semen, and other body fluid stains

#### **EDUCATION:**

Bachelor of Science in Criminalistics, University of California, Berkeley, 1972

#### **EMPLOYMENT HISTORY:**

Criminalist, San Francisco Police Department, San Francisco, CA. Responsibilities include analysis of controlled substances, forensic alcohol analysis, co-management of the quality assurance program for controlled substances, laboratory Safety Officer. (1980-present)

Research Technician, Forensic Science Associates, Emeryville, CA. Responsibilities include analysis of sexual assault evidence (1979-1980)

Police Services Technician, Oakland Police Department, Oakland, CA. Responsibilities include analysis of blood and physiological fluid stains and drug analysis. (1976-1979)

Criminalist, Institute of Forensic Sciences, Oakland, CA. Responsibilities include analysis of blood and physiological fluid stains and general Criminalistics (1972-1975)

#### **PROFESSIONAL TRAINING:**

2005--Microcrystalline Workshop, CAC Spring Seminar

2005-- Courtroom Presentation of Evidence, CCI

2002--Borkenstein Course on Alcohol and Highway Safety, Indiana University

2002--Forensic Alcohol Workshop, Southern California Research Institute

- 1999--Interpretation of Infrared Spectra, California Department of Justice, CCI
- 1998--Supervisors Class--Controlled Substances, California Department of Justice, CCI
- 1998--Mass Spectra Theory and Interpretation, California Department of Justice, CCI
- 1998--Techniques of GC-MS, Hewlett-Packard
- 1998--Interpretation of Mass Spectra, Hewlett-Packard
- 1998--Microscopy of Rape Evidence, California Department of Justice, CCI
- 1997--DNA Extraction and Quantification, California Department of Justice, CCI
- 1997--Statistics in DNA Analysis, California Department of Justice, CCI
- 1995--DNA Polymerase Chain Reaction, California Department of Justice, CCI
- 1993--DQA1 Amplification and Typing Workshop, Roche Molecular Systems
- 1992--Molecular Genetics, University of California, Berkeley
- 1991--Forensic Applications of DNA Typing Methods, FBI Academy
- 1989--Forensic DNA Symposium, FBI Academy
- 1989--Principles of Molecular Biology, University of California, Berkeley
- 1988--Forensic Microscopy, California Department of Justice, CCI
- 1986--Sexual Assault Training Program, Dr. Edward Blake, SFPD Consultant
- 1985--Sexual Assault Analysis, Serological Research Institute
- 1984--Biochemical Methods in Bloodstain Analysis, FBI Academy
- 1983--Bloodstain Pattern Analysis, Laboratory of Forensic Sciences, Corning NY
- 1981--Bloodstain Analysis System, Serological Research Institute
- 1980--Analysis of Sexual Assault Evidence, California Department of Justice
- 1979--Instrumental Methods of Analysis, California department of Justice

**EXPERT WITNESS:**

Qualified as an expert in forensic serology and drug analysis in both Municipal and Superior Courts of the City and county of San Francisco as well as both Municipal and Superior Courts of Alameda County

**PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS:**

California Association of Criminalists  
American Academy of Forensic Sciences  
American Board of Criminalistics