

Curricula Vitae

Matthew E. Malhiot

Forensic Alcohol Consulting and Training LLC
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Areas of Expert Testimony Provided

Alcohol and the Human Body	Forensic Alcohol Toxicology
Pharmacokinetics of Ethanol	Pharmacodynamics of Ethanol
Intoxilyzer 5000 (64, 66, 68 & EN)	Intoxilyzer 8000
Standardized Field Sobriety Testing	Medical Legal Blood Conversion
Hand-held Breath Test Instruments (PBT)	Horizontal Gaze Nystagmus (HGN)
Retrograde Extrapolation	Widmark Calculations
State Administrative Rules for Alcohol Analysis	Breath Testing Training Curricula
Frye & Daubert Standard in Breath Testing	National Safety Council Standards
Methods of Alcohol Analysis	Infrared Breath Alcohol Analysis
Electro-Chemical Breath Alcohol Analysis	Quality Control Procedures
Forensic and Legal Aspects of Breath Alcohol Analysis	
Breath Alcohol Analysis, Theory and Operation	
Pharmacology and Toxicology of Ethyl Alcohol	

Park University (Parkville, Missouri)

Bachelor of Science (Criminal Justice Administration)

Indiana University

Center for Studies of Law in Action, The R. F. Borkenstein Course on Alcohol,
Drugs and Highway Safety: Testing, Research and Litigation
Center for Studies of Law in Action, Symposium on Blood and Breath Alcohol Test
Program Management and Administration

Southern Association of Forensic Scientists

Forensic Ethanol Analysis and Interpretation Presented by The Forensic Toxicologist
Certification Board, Inc.

Florida Department of Law Enforcement Department Inspector Training Program

Chemical and Physical Properties of Alcohol and Related Volatiles
Pharmacology and Toxicology of Ethyl Alcohol
Pharmacokinetics of Ethanol
Pharmacodynamics of Ethanol
Analysis of Biological Specimens
Methods of Alcohol Analysis
 Chemical Oxidation
 Gas Chromatography
 Infrared Breath Alcohol Analysis
 Electro-Chemical Breath Alcohol Analysis
Statistical Treatment of Data
Quality Control Procedures
Breath Alcohol Analysis, Theory and Operation
 History
 Intoxilyzer 5000 and 8000 Theory, Operation, Maintenance and Repair
 Performing the Department Inspection
Forensic and Legal Aspects of Alcohol Analysis

CMI Inc Factory Training and Certification

Intoxilyzer 5000 Factory Maintenance Training Course, Breath Alcohol Analysis
Instrument Operation & Maintenance
Intoxilyzer 8000 Factory Maintenance Training Course, Breath Alcohol Analysis
Instrument Operation & Maintenance
Intoxilyzer 8000 Breath Alcohol Analysis Instrument Advanced Repair, Maintenance &
Calibration
Intoxilyzer 8000 Breath Alcohol Analysis Instrument Operation, Maintenance &
Calibration
Intoxilyzer 5000 Factory Instrument Operations and Instructor
Intoxilyzer 8000 Factory Instrument Operations and Instructor
Intoxilyzer 8000 Theory and Application
Intoxilyzer 8000 Advanced Electronics
Intoxilyzer 400 Operations, Maintenance and Calibration
SD2 Accuracy Verification, Calibration Adjust, Field Checks, Maintenance & Repair
SD5 Operation, Maintenance and Calibration
Intoxilyzer 5000EN Interferent Calculations and Alcohol Concentrations

Guth Laboratory Factory Training and Certifications

Basic Operation, Technical Aspects and Maintenance for the Guth Model 34C Simulator
Basic Operation, Technical Aspects and Maintenance for the Guth Model 2100 Simulator
Basic Operation, Technical Aspects and Maintenance for the Guth Model 590 Simulator

Montana State Department of Justice, Forensic Science Division

Breath Test Specialist Certification, Intoxilyzer 5000
Breath Test Senior Operator Certification, Intoxilyzer 5000
Breath Test Technician Certification, Intoxilyzer 5000
Re-certification completed as required through 2001

Florida Department of Law Enforcement (Professional Programs)

Breath Test Operator, Intoxilyzer 5000 & Intoxilyzer 8000
Agency Inspector, Intoxilyzer 5000 & Intoxilyzer 8000
Department Inspector, Intoxilyzer 5000 & Intoxilyzer 8000
Instructor Techniques

National Highway Traffic Safety Administration Training (NHTSA)

DUI Detection and Standardized Field Sobriety Testing (S.F.S.T.)
Drugs that Impair Driving
DUI Detection and Standardized Field Sobriety Testing, Instructor/Trainer
NHTSA Instructor / Facilitator Workshop
NHTSA DUI S.F.S.T. Instructor Update(s)

Police Officers Standards of Training (POST) Training

DUI Mobile Video Train the Trainer (Instructor Course)
Law Enforcement Search and Seizure Workshop
Drug Awareness

US Air Force Training

USAF Police Academy

Other Agency Training

Traffic Safety Responsible Alcohol and Tobacco Sales Training Instructor
Cascade County, Montana, Reserve Deputy Training Program
Recommended Standards for Breath-test Supervisors / Administrators
University of Wisconsin Law School, Resource Center on Impaired Driving, Breath and Blood Testing in Wisconsin
Wisconsin State Laboratory of Hygiene, Blood/Breath and Beyond
Indiana State Department of Toxicology, Breath Test vs. Blood Testing
University of Wisconsin, Physiology Department, Ethanol: Mechanisms, Dose and Effect
Gaseous Ethanol Standards for Calibration of Breath Analyzers
New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN – Optical Bench

Other Agency Training (Cont.)

Texas Department of Public Safety, How the Intoxilyzer 5000EN Determines Alcohol Concentrations

Colorado Department of Public Health, Unstable Reference and other Misc. Noise Problems (Intoxilyzer 5000EN)

Hawaii Department of Health, Infra-red Spectroscopy: How it relates to the Intoxilyzer 5000

Medical College of Ohio, Dr Robert Forney Jr. Toxicology of Alcohol

Pacific University College of Optometry, Principles of Eye Test for Intoxication. Realities and Myths of Eye Movements and Intoxication

New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN Calibration

Symposiums and Conferences

Symposium on Alcohol & Drug Enforcement, 2002, 2003, 2004, 2005, 2006, 2007, 2010

Florida Breath Test Conference 2002, 2003, 2004, 2005, 2006, 2007, 2009

Intoxilyzer User's Group 2002, 2003, 2004, 2006, 2007

International Association for Chemical Testing May 2003, Apr 2005

Permits Held

Florida Department of Law Enforcement, Breath Test Operator

Florida Department of Law Enforcement, Agency Inspector

Montana Division of Forensic Science, Breath Test Specialist

Montana Division of Forensic Science, Senior Operator

Montana Division of Forensic Science, Technician

Certifications

Florida Department of Law Enforcement, Department Inspector

Florida Department of Law Enforcement, Criminal Justice Standards and Training Instructor

CMI, Inc Intoxilyzer 5000 Instructor

CMI, Inc Maintenance and Repair, Intoxilyzer 5000

Guth Laboratories, Simulator Model 2100 & Model 34C Repair and Calibration

CMI, Inc Intoxilyzer 8000 Operation, Maintenance & Calibration

CMI, Inc Intoxilyzer 8000 Advanced Repair, Maintenance & Calibration

Professional Organizations, Affiliations and Memberships

International Association for Chemical Testing, Inc.

International Law Enforcement Educators and Trainers Association (former member)

Basic Law Enforcement Curricula Committee for Traffic Stops, DUI, Field Sobriety Testing and HGN Development

Professional Training & Education Provided

Instructor for Florida County Court Judge Training

Adjunct Instructor: University of North Florida, Institute of Police Technology & Management

Adjunct Instructor: Tallahassee Community College, Florida State Public Safety Institute

Expert Testimony Provided

Federal Court

Montana District Federal Magistrate Court

US Air Force Courts Martial

Florida Courts

Alachua County

Escambia County

St. John's County

Bay County

Nassau County

Columbia County

Marion County

Clay County

Suwannee County

Jefferson County

Duval County

Okaloosa County

Flagler County

Washington County

Walton County

Georgia Courts

Cobb County

Gwinnett County

Floyd County

Dawson County

Fulton County

Cherokee County

Montana Courts

Cascade County Justice Court

8th District Court

Supreme Court (315 Mont. 480, 68 P.3d 848)