

TOXICOLOGY BUREAU

FORENSIC ALCOHOL UNIT



Supervisor: (714) 834-6341

Training and support of breath alcohol testing instruments, including the new Portable Evidential Breath Test (PEBT) system can be obtained by calling (714) 834-6341 or (714) 834-4510 and asking for the Breath Alcohol section.

Laboratory services: Analysis and interpretation of alcohol in blood, urine, and beverage samples.

Laboratory requests: All blood and urine samples are routinely analyzed upon submission. Contact the supervisor with special requests.

TOXICOLOGY UNIT



Supervisor: (714) 834-6351

Antemortem

Laboratory services: Screening and identification of morphine, codeine, cocaine and methamphetamine in blood and urine samples from H&S 11550 arrests, impaired drivers and other criminal cases in which blood and/or urine samples are taken. Consultation and referrals on other drug requests (e.g. LSD, marijuana, benzodiazepines, etc.). Courtroom testimony on analytical results; no interpretation of drug concentration levels are provided.

Laboratory requests: All toxicology submissions and DUI bloods with less than 0.08% blood alcohol concentration are routinely tested for drugs.

All other analysis is coordinated among this unit, the District Attorney's office, and the submitting agency. Contact the supervisor with special requests.

Post-mortem

Laboratory services: Detection, identification, quantitation, and interpretation of drugs in post mortem blood and tissue samples.



The scope of the analysis may be limited in cases where the death was not directly related to drugs and/or toxic chemicals, such as a homicide by gunshot. In cases where there is no readily apparent cause of death, the analyses will include testing for broad range of drugs of abuse, prescription and over-the-counter medications, and other toxic chemicals.

Laboratory requests: Analyses in postmortem toxicology are coordinated between this unit and the Coroner Division. Contact the supervisor with any special requests.

SUBMISSION OF EVIDENCE

Forensic Science Services Evidence Control Unit (ECU) open from 0730 - 1600 hours, Monday through Friday, except holidays.

(714) 834-6414

Evidence from Orange County Sheriff's Department cases is transferred to Forensic Science Services from the Property/Evidence Bureau of the Support Services Division.

For all other agencies, evidence is submitted directly to ECU. Blood and urine samples may be deposited in locked refrigerators in the evidence receiving area. To gain access to the receiving area, use the access code or the telephone in the alley on the west side of the Brad Gates Forensic Science Building.

Blood and urine samples submitted for alcohol and other Toxicology tests are routinely analyzed without a formal work request.

Controlled substance and document cases may be submitted to the Evidence Control Unit with

a work request form attached without prior approval for analysis. Syringes require prior approval before submission.

Evidence intended for analysis by the Identification Bureau or the Firearms, Trace, or DNA units of the Criminalistics Bureau should not be submitted without prior notification. This is accomplished by submitting the work request to the appropriate supervisor for review (usually by FAX).

EVIDENCE KITS PROVIDED BY FORENSIC SCIENCE SERVICES

- Blood Alcohol/Drug
- Urine Alcohol/Drug
- Blood typing vials
- Gunshot Residue Collection
- Sexual Assault Evidence Collection
 - Victim
 - Suspect



ORANGE COUNTY SHERIFF'S DEPARTMENT Forensic Science Services Division

MISSION

To serve the criminal justice needs of Orange County by applying sound scientific principles to the collection, evaluation and interpretation of physical evidence.

March 2005

ORANGE COUNTY SHERIFF-CORONER DEPARTMENT FORENSIC SCIENCE SERVICES

Dean Gialamas, Director



320 N. Flower Street
Santa Ana, CA 92703

Main phone number: (714) 834-4510

FAX (714) 834-4519

The Forensic Science Services Division of the Orange County Sheriff-Coroner Department is made up of four Bureaus. Each one provides, at no cost to county law enforcement user agencies, a distinct form of service. Requests should be directed to the appropriate Bureau.

The Bureaus are:

CAL-ID:

Computer storage, search, and retrieval of county and state fingerprint files.

IDENTIFICATION:

Crime scene investigation, latent prints, imaging, and photography.

CRIMINALISTICS:

Examination and comparison of physical evidence, including DNA.

TOXICOLOGY:

Identification of drugs and toxic chemicals in biological specimens.

The following are more detailed descriptions of the services provided by each Bureau and information regarding scheduling work requests and obtaining results.

CAL-ID BUREAU

(714) 834-6421, FAX (714) 834-6446

Supervisor: (714) 834-6356



Ten print searches, comparisons, and identification services available 24 hours.

Booking fingerprints from all law enforcement agencies in Orange County are electronically transmitted to automated identification systems in the Sheriff's Department and Department of Justice.

IDENTIFICATION BUREAU

(714) 834-4527, FAX (714) 834-6430

Supervisor: (714) 834-4527



Field services: Crime scene investigation, fingerprint processing, sketching, field evidence collection, metal detector search, photography, and aerial photography. Routine field services are performed during day and swing shifts. For homicides and major crimes there is 24 hour response.

Field service requests: (714) 834-4527 (24 hours). Automated voice mail will answer from 0130-0600 hours. Between these hours, the Sheriff's Watch Commander can be contacted for homicides and other major scene response at (714) 628-7170.

Evidence processing and latent fingerprint comparisons: FAX a copy of the work request to (714) 834-6430. A supervisor will contact you if more information is needed. An examiner will be assigned who will request the evidence. Contact the ID supervisor with special requests or if it is a rush case.

Photo Lab Services: Digital imaging, photograph developing, enlarging, courtroom displays, specialized photographic techniques, and color copies.



Photo Lab service hours are weekdays during day and swing shifts.

CRIMINALISTICS BUREAU

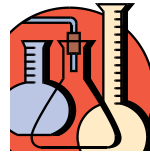
(714) 834-4510, FAX (714) 834-4519

Criminalistics and Toxicology Laboratory hours: 0730-1700 hours, Monday – Friday, except holidays.

CONTROLLED SUBSTANCES UNIT

Supervisor: (714) 834-4522

Laboratory services: Identification of controlled substances. Purity and other determinations available in special circumstances. Analysis of clandestine laboratory materials.



Laboratory requests: Submit laboratory work request form with the evidence. "Rush" analysis should be requested by calling (714) 834-4514. Contact the supervisor with special requests and for syringe submissions.

Field services: Clandestine laboratory investigations. Contact the supervisor during laboratory hours (0730 -1700 hours, Monday – Friday, except holidays). Contact the Sheriff's Watch Commander at (714) 628-7170 during other hours.

TRACE EVIDENCE UNIT

Supervisor: (714) 834-4521



Laboratory services: Identification and comparison of physical evidence including, hair, fibers, paint, glass, fire debris, explosive and gunshot residues, other materials and particles.

Laboratory requests: FAX copy of work request to (714) 834-4519. The supervisor will contact you if more information is needed. An analyst will be assigned who will request the evidence. Contact the section supervisor with special requests.

DNA UNIT

Supervisor: (714) 834-4520



Laboratory services: Location, characterization, and DNA profiling of blood, semen, and other physiological materials. Searching for DNA profiles on items of evidence that were worn or handled by perpetrators and victims. Comparison of DNA profiles within and between cases locally and submission of eligible profiles to the state and national CODIS DNA databases for searching to link and solve crimes. Parentage determination for criminal cases.

Laboratory requests: Same as for the Trace Evidence Unit.

FIREARMS UNIT

Supervisor: (714) 834-6373



Laboratory services: Firearms and toolmark comparison, firearms function tests, "no-gun" identifications, muzzle-to-first-surface distance determinations, serial number restoration, NIBIN (database of fired cartridge case markings) entry and database search.

Laboratory requests: Same as for the Trace Evidence Unit.

Field services: Shooting reconstructions coordinated through the CSI Unit.

CRIME SCENE INVESTIGATION UNIT

Supervisor: (714) 834-4521

Field services: Assist at homicides, officer-involved shootings, in-custody and questioned death scenes. Respond with the Identification Bureau or work with agency's CSI personnel. Provide follow-up assistance with autopsies, vehicle examinations, search warrants, and with other examinations. Recognition, collection and preservation of physical, chemical and biological evidence.

The responding forensic scientist will be the primary contact person for criminalistics work for that case.

Field service requests: Contact the supervisor during laboratory hours (0730 – 1700 hours, Monday – Friday), otherwise contact the Orange County Sheriff's Department Watch Commander at (714) 628-7170.

DOCUMENT EXAMINATION UNIT

Supervisor: (714) 834-4522

Laboratory services: Document evaluation through the examination and comparison of handwriting, handprinting and typewriting. Identification of erasures, obliterations, alterations and indented writings.

Laboratory requests: Submit laboratory work request form with the evidence. Any unusual circumstances surrounding the case should be discussed with the document examiner at (714) 834-6423.

