

SOFT/AAFS Oral Fluid Committee

Laboratory Oral Fluid Program Summaries



September 2025
Update



Objectives

- To monitor the progress of oral fluid programs for laboratories which perform DUID testing
- To serve as a resource for laboratories considering or in the process of initiating an oral fluid program
- To provide annual updates for established oral fluid programs currently implemented for casework analyses
- To provide semi-annual updates for oral fluid programs working towards implementation

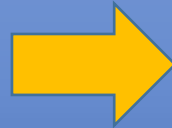
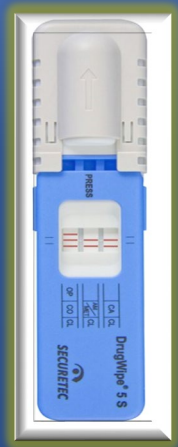


Alabama Department of Forensic Sciences

Roadside & Evidential Oral Fluid Program

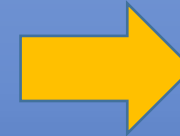
Specimen Collection

- Quantisal™ collection device for evidential testing
- Collect blood and oral fluid in all misdemeanor and felony DUIs
- 4 approved roadside screen devices (probable cause):
 - Dräger DT5000
 - Securetec DrugWipe
 - Abbott SoToxa
 - Randox Multi-Stat



Evidential Screening

- Biochip Array (Drugs of Abuse)
- ELISA (Cannabinoids)
- Tier 1 recommendations used as guideline for cutoff concentrations



Confirmation Testing

- Dispersive Pipette Extraction (DPX) for 24 Drugs of Abuse
- Liquid/liquid extraction for 13 Cannabinoids
- LC-MS/MS



Oral Fluid Statutes

- 32-5-192 (Implied Consent)
- 32-5A-194 (Impaired Driving Statute)
- Chapter 370-1-1 (Approved OF Device List)

Casework/Court Experience

- ~3,500 cases analyzed
- No case law (as of yet)
- ~25 testimonies





Alabama Department of Forensic Sciences

Roadside & Evidential Oral Fluid Program

Program Contact: Curt Harper (curt.harper@adfs.alabama.gov)

Current Status of Program: Online for Casework

Current Legislative Status for DUID Testing: Included in Statute



New York State Police Forensic Investigation Center Evidential Oral Fluid Program

Specimen Collection

- **Quantisal™ collection device**
- **Testing for drugs only (not alcohol)**
- **Any law enforcement agency that uses the NYSP lab can submit oral fluid samples for impaired driving investigations**



Evidential Screening

- **Liquid/liquid extraction**
- **Single LC-MS/MS method**
- **Meets/exceeds Tier I recommendations**



Confirmation Testing

- **Solid phase extraction**
- **Separate basic/neutral and cannabinoid LC-MS/MS methods**
- **Meets/exceeds Tier I recommendations**



Oral Fluid Statutes

New York Vehicle & Traffic Law (VTL) Article 31 Alcohol and Drug-Related Offenses... 1194: Arrest and Testing

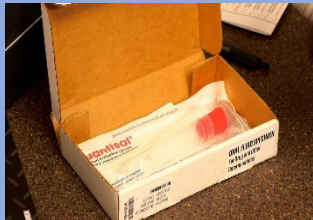
- **1194.2(a) Chemical Tests ...a chemical test of one or more of the following: breath, blood, urine, or *saliva*...**

10 NYCRR 59.1 Definitions

- **(k): Saliva = *Oral fluid***

Casework/Court Experience

- **Over 600 oral fluid cases submitted (July 2025)**
- **No court appearances or driving case law yet**
- **Probation revocation unpublished case “...find that the oral swab test... has been accepted by the relevant scientific community...” P v Gonzales SCI #1092/06**



New York State Police Forensic Investigation Center

Evidential Oral Fluid Program

Program Contact: Jennifer Limoges (jennifer.limoges@troopers.ny.gov)

Current Status of Program: Online for Casework

Current Legislative Status for DUI/D Testing: Included in Statute



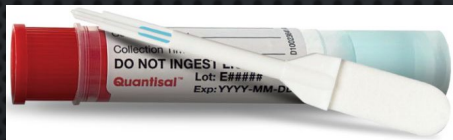
OHIO STATE HIGHWAY PATROL CRIME LABORATORY

EVIDENTIAL ORAL FLUID PILOT PROJECT



SPECIMEN COLLECTION

- QUANTISAL™ ORAL FLUID SAMPLE COLLECTION DEVICE USED
- ORAL FLUID SAMPLES MUST BE SUBMITTED WITH ANOTHER BIOLOGICAL FLUID FOR TESTING (PILOT PROJECT)



ORAL FLUID STATUTES

OHIO REVISED CODE 4511.19 (OVI)

OHIO REVISED CODE 4511.191 (IMPLIED CONSENT)

OHIO ADMINISTRATIVE CODE 3701-53 (DRUG AND ALCOHOL TESTING)



EVIDENTIAL SCREENING

- SUPPORTED LIQUID EXTRACTION
- SINGLE LC-QTOF SCREENING METHOD
- PANEL OF 37 DRUGS USING TIER 1 RECOMMENDATIONS WITH THE ADDITIONS OF OTHER DRUGS OF INTEREST



CONFIRMATION TESTING

- SOLID PHASE EXTRACTION
- SINGLE EXTRACTION WITH SAMPLE RAN ON TWO SEPARATE LC-MS/MS METHODS WITH THE SECOND METHOD USED TO SEPARATE THC ISOMERS.



OHIO STATE HIGHWAY PATROL CRIME LABORATORY
EVIDENTIAL ORAL FLUID PILOT PROJECT



Program Contact: Nicholas Baldauf (nibaldauf@dps.ohio.gov)

Current Status of Program: Pilot

Current Legislative Status for DUI Testing: Included in Statute



Louisiana State Police Evidential Oral Fluid Program



Upcoming Events and Milestones

- Instrumentation/equipment
 - Set up new Radox, Tecan, HRMS, and LC-MS/MS
 - Validate instrumentation and extraction methods
 - Train current employees on new methodology
- Author / implement OF collection training with LSP Applied Tech
 - Teach with Intoxilyzer certification/recertification to all trained Intoxilyzer officers
- Create a new OF collection kit (OF-OLA) with the Quantisal™ collection device with current kit vendor
- Title 55 Chapter 5
 - DPS to approve the OF collection kit and add to approved kits list (Subchapters B&C)
 - Update to include oral fluids (Subchapter C)
 - Louisiana Administrative Code, Public Safety, rules need to be promulgated through Legal Department of LSP
- LSPCL and NLCL to accept and analyze OF samples



Louisiana State Police Evidential Oral Fluid Program



Program Contact: Rebecca Chiasson (Rebecca.Chiasson@la.gov)

Current Status of Program: Pilot (NLCL), Method Validation (LSP)

Current Legislative Status for DUI/D Testing: Included in Statute

State OF Program Summary Template

Program Contact: (Name, Email)

Current Status of Program: (Development, Validation, Pilot, Online for Casework)

Current Legislative Status for DUID Testing: (Included in Statute, Pending Legislation, Legislation Proposed, Not Included in Statute)