



March 3, 2022

RE: Support of SB 684

Dear Maryland Legislators:

My name is Bridget Lorenz Lemberg, I am a Toxicologist and Lab Director at Forensic Fluids Laboratories Inc. (FFL), in Kalamazoo, Michigan and I'm writing in support of SB 684. I have been a Toxicologist for 33 years having performed and testified to drug test results for blood, urine, oral fluid, meconium, and other matrixes. I have been testifying in court about the accuracy of Oral Fluid Laboratory testing since 2005, in OH, MI, IN, IL, KY, WV, WI, ND, and AZ. This testimony has mainly been for Child Protective Services and Probation/Drug Court.

FFL is the Laboratory that performed ALL the Confirmed Quantitative Oral Fluid testing (using evidentiary LCMSMS (LCMSMS: quantitates and positively identifies what drug is in the sample)), for the two Michigan State Police Roadside pilots. The first pilot was in 2019 and consisted of 66 samples, the second was in 2020 and consisted of 550 samples (blood was collected also). The handheld roadside device used (SoToxa) was the preliminary non-evidentiary test, the sample was then sent to our Lab for LCMSMS (Mass Spectrometry). So **two** tests were performed on every Oral Fluid sample.

The handheld roadside test is called a "screen" and is non-evidentiary and considered preliminary. This is the same as a PBT for alcohol testing (non-evidentiary). Michigan used a device called SoToxa by Abbott, there is also a device called Draeger by Draeger, and another device called DrugWipe. These devices tend to be 70% to +/- 90% accurate depending on what drug is being measured, and just gives a Negative or Positive result. This is why a Laboratory test using an LCMSMS, which quantitates and positively identifies what drug is in the sample, is needed.

There are currently over 20 states using roadside Oral Fluid (most using handheld AND confirming with a Laboratory LCMSMS): New York, Alabama, Kansas, Wisconsin, Vermont, Oklahoma, Colorado, California, Massachusetts, Oregon, Texas, and Utah (Indiana, Illinois, and Kentucky are starting).

There are many European countries that are using Oral Fluid roadside collected Laboratory Quantitated values for determining IMPAIRMENT. Belgium, Canada, Germany, Norway, Spain, Italy, Portugal, and others.

Forensic Fluids Lab has offered Law Enforcement Agencies 50 to 100 free laboratory tests as a pilot to help determine their usefulness. Through our partnership with Michigan State Police, FFL did charge the State Police \$30 per test kits including Lab testing. Test kits included the collection device, paperwork, evidence sealing tape, tamper-proof specimen bag, and shipping is negotiable.

If you have any questions, please call me at 269-352-8633.

Sincerely, 
Bridget Lorenz Lemberg
Laboratory Director/Toxicologist