

# Automated Drug Detection System

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**The problem: it is difficult to deal with blood or urine on roadside, in the work center or at home if you are not a doctor.**

Medical advances are allowing a longer life expectancy and quality of life in developed countries. Traffic accidents and cardiovascular and embolic episodes are the main threats to the life along with cancer. Internet, personalized medicine and the exhaustion of the healthcare's financial system due to great pressure (longevity, new illnesses linked to ageing and new more expensive technologies in the context of the financial global crisis) are favoring that the people demand easy, cheap and fast solutions.



Source: From DGT June 2014

If we further apply this concept to road security or in environments where privacy is important (Detoxification clinics, bus drivers, accident prevention at work or psychiatrists) it can be seen the little viability of gathering urine or blood.

**Detection of 6 different Drugs in oral fluid in less than 10 minutes**



- COC – Cocaine 20 ng/ml
- OPI - Opiates 40 ng/ml
- AMP - Amphetamines 50 ng/ml
- PCP - Phencyclidine 10 ng/ml
- MET – Methamphetamines 50 ng/ml
- THC - Marijuana 40 ng/ml



DrugSIP & Cocachip 5x is based on microelectronics, and provides on one hand equipment to the Police forces and on the other AlphaSIP will have a interactive directory service on the internet, an online portal (to pick up saliva and perform the drug test remotely and a affiliate program) with a platform for doctors and companies to attend the private channel.

**The solution: a new way to measure in a fast manner with saliva.**

AlphaSIP "Oraltrack" resolves this problem: it is a medical device manufacturer based on nanotechnology that are:

- Light
- Multiparametric (from 5 to 9 drugs detected per cassette)
- Fast
- Portable
- Hygienic
- Economic
- Can store and print results.



**COCACHIP®**

- Portable
- Light
- Ergonomic



**DrugSIP®**

- Automated
- Multitest System
- Buffer

**COCACHIP®**  
**DrugSIP®**

- Easy, Reliable, Robust and Fast
- Sample Thermostatization
- Integrated Printer
- Data Download Software