

# Saliva test scales new heights

## NEWSLETTER

September 2019



## DrugWipe 5 S sets the standard

### Independent evaluation by US scientists verifies performance of the rapid saliva screening test

A prestigious laboratory put the DrugWipe 5 S to the test along with the mobile WipeAlyser analysis device. It was impressed by the DrugWipe/WipeAlyser's very good analytical performance. The laboratory was particularly complimentary about the straightforward test procedures with the DrugWipe and the exceptionally low sample volumes required.

Saliva tests have a number of advantages compared with urine tests: subjects' privacy is maintained, tampering with the sample is impossible, sample collection is very easy to monitor and the procedure itself is straightforward with high performance levels backed up by increasing numbers of experts.



**WipeAlyser®**

Item number: WA-1

In Spring 2019 the US toxicologist Barry Logan (see box) and his team ran very thorough tests on the DrugWipe 5 S in combination with the WipeAlyser, with very good results.

The tests were based on samples from a variety of genuine saliva samples provided by different test subjects. All of the results recorded were analysed with the WipeAlyser.

The results were convincing: 100% specificity in all cases. Overall sensitivity was 96%.



**DrugWipe® 5 S**

Item number: S 505 G



Another experiment was conducted to test a combination of different drugs in various concentrations. The DrugWipe and WipeAlyser combination got the top score possible – 100% sensitivity and 100% specificity for all drugs.

Cross-reactivity is an important stability parameter for saliva tests. No cross-reactivity was detected for “everyday substances” such as caffeine or nicotine and common medicines such as pseudoephedrine, cannabidiol, tramadol and others. That’s important to prevent falsified results.

The toxicologists also singled out for praise the very small amounts of saliva needed for the test. That’s a major advantage in situations where the test subject has a dry mouth caused by the drug.



**Do you want to find out more? We’d be pleased to send you the evaluation.**

**Infobox: Dr Barry K. Logan,  
world-renowned toxicologist**

Dr Logan is Senior Vice President of Forensic Science Initiatives and has been Chief of Forensic Toxicology at NMS Labs in Pennsylvania since 2008. NMS Labs is a leading US laboratory that specialises in forensic tests. Dr Logan is also certified by the American Board of Forensic Toxicologists (ABFT) and amongst other things Director of the Robert F. Borkenstein Center for Studies of Law in Action, Indiana University. Barry Logan is a member of many professional forensic science associations and author of numerous publications. He has published over 150 scientific articles.

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