DRUID - ESTHER Handling Study for saliva drug tests concluded !

European study evaluates 8 saliva drug test as to be good in handling and gives the recommendation to test their sensitivity. **Within this study the Rapid STAT® was qualified as a promising screening device for drug detection.** Especially the short evaluation time (8 minutes), the good readability of the lines, the easy and good handling of the Rapid STAT® and the Reader have been pointed out ! **At the same time first results of the Rapid STAT® have been published. These results confirm a very good sensitivity regarding the THC !**

Duty of the ESTHER-Group of the DRUID project was the practical evaluation of saliva drug testing devices in order to achieve a harmonization of the European Police Forces. Objective was to find a consolidated formulation that determines the police requirements on saliva drug test devices for the detection of drug consumption in drivers.

Leader of the ESTHER team is Mr. Cor Kuijten from the Netherlands. 11 different expert teams of the police forces of Germany (3 teams), Belgium (3 teams), Spain, Ireland, Finland and the Netherlands (3 teams) participated in this study.

All saliva drug tests (13 companies) currently in the market have been tested. In total 2.234 drug testing devices have been field tested. Of these 13 different saliva drug tests 8 test devices have been selected that fulfilled the requirements of the study.

Regarding these 8 tests the recommendation has been given to check their reliability concerning sensitivity and specificity. Already during the evaluation phase the ESTHER-group acquired first results regarding the sensitivity in the THC. These results show very clearly that the Rapid STAT® is the only test that can detect the THC with a sensitivity of more than 90 % (see table).

List of the 8 recommended companies and their results in the detection of THC

POS	company	name of test	number of testings THC	THC results confirmed	results in %
1	MAVAND	Rapid STAT	25	23	92%
2	Biosensor	Biosens	10	7	70%
3	Dräger	Drug Test 5000	16	11	69%
4	Varian	Oralab 6	31	20	65%
5	Innovacon	OrAlert	32	15	47%
6	Securetec	Drugwipe	38	15	39%
7	Cozart	DDS	26	10	38%
8	Branan	Oratect XP	9	0	0%

Source: Speech on the occasion of the expert meeting of the police in Saarbruecken November 2008. Speaker: Mr. Cor Kuijten, National Police Agency, Traffic Police, The Netherlands. "Drogentestgeräte für die Polizei".
http://www.saarland.de/dokumente/thema_polizei/8Beitrag_Cor_Kuijten_2008.pdf