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Интеллектуальный Анализатор Intelligent Hair Trace Drugs Analyzer



During drug scenes, suspects do not cooperate with tests, making it difficult for police to obtain bodily fluids for narcotics testing.

The main component of human hair is keratin, which accounting for about 97%. After the person takes drug, drug can participate in the metabolism of human body, the metabolite of drug can enter the keratin of new hair. For hair that has already grown, drug metabolites can also enter the body through sweat glands or sebum secretion. In general, the drug ingredients in urine cannot be detected 5-10 days after taking drugs, and the hair may not fall off for months or even years, faithfully recording what happened in the body. That is to say, as long as the hair is long enough, the hair can reflect the owner's drug use! For example, a woman's tens of centimeters of hair can even reflect the drug use situation within a few years.

GA500 intelligent hair trace drugs analyzer, jointly developed by our company and Shanghai Public Security Bureau (803), handheld hair drug rapid detector, standard 4G module, supplementary light camera, and id card identification module, can be used for police on the spot law enforcement, can be photographed and authenticated for drug users on the spot. The device is equipped with 4000 MA battery, which can be used for one day with full power (100 samples tested), and the on-site printing results will be used as the basis for on-site inspection and disposal of anti-drug police.

GA500 adopts advanced rare-earth fluorescence technology, can easily generate hairs within 10 minutes of morphine, methamphetamine (commonly known as crystal meth) and ketamine (commonly known as K) three common drugs, and methcathinone, benzodiazepine and cocaine, quickly and accurately test result meet the demand of qualitative quantitative analysis, at the same time the results and numerical printed.

Feature:

- I Advanced Technically:** Rare earth luminescence technology is a new and most accurate immunoassay technology.
- I Rapid Detection:** Quantitative detection of drug content in hair samples of suspected persons can be quickly completed within 10 minutes.
- I High Sensitive:** A minimum detectable level of 0.2ng/mg, and is in line with the industry standard of the Drug Association.
- I Convenient Sampling:** A little hair(5 mg), no privacy, no adulteration.
- I Convenient Store:** Hair can be stored at room temperature, while urine, blood and other materials generally need to be stored in cold storage.
- I Period Long;** The hair can be used to detect whether the suspicious person contains drugs within 3-6 months.
- I Constant Environment:** Using the incubator can effectively eliminate the influence of factors such as time and room temperature.
- I Accurate Quantitative:** Accurate sampling method and constant experimental process ensure the higher reference of quantitative test results.
- I Use Easy:** The testing personnel only needs simple training for precise operation.
- Field Test:** The necessary instruments, reagents and other accessories are all packed in the test box of about 26 inches of luggage.

Product Background:

With the rapid development of globalization and society, drug crime in China has a tendency of high incidence and abuse. Relevant departments of China attach great importance to scientific research on drug control. Among them, improving drug detection technology has become an important part of drug control research.

During drug scenes, suspects do not cooperate with tests, making it difficult for police to obtain bodily fluids for drug testing. In order to deal with the problems existing in the urine and saliva detection of drug addicts by anti-drug police, accurate service drug control combat, used for actual combat, close to the actual work needs, the Ministry of Public Security issued by the "standard of drug-related personnel hair samples", put forward for drug-related personnel hair sample extraction, storage, inspection and testing requirements. According to the request, OPTOSKY developed GA500 Handheld Hair Drug Analyzer. At present, the product has obtained the product inspection report issued by the Safety and Police electronic product Quality Testing Center of Ministry of Public Security, the scientific and technological novelty checking report issued by the provincial science and technology department.

Product Feature & Advantage:

- 1) Advanced Technically:** Rare earth fluorescence is a new and most accurate immunoassay technology.
- 2) Rapid Detection:** The quantitative detection of drug content in hair samples of suspected persons can be quickly completed within 10 minutes.
- 3) High Sensitive:** The quantitative detection of drug content in hair samples of suspected persons can be quickly completed within 10 minutes.
- 4) Convenient Sampling:** A little hair (5mg), no privacy, avoid adulteration.
- 5) Convenient Store:** Hair can be stored at room temperature, while urine, blood and other materials generally need to be stored at low temperature and frozen.
- 6) Period Long:** The use of hair can detect the longest 3-6 months in the body of the suspect whether there are drugs.
- 7) Constant Environment:** Using a constant temperature incubator can effectively eliminate the influence of factors such as time and room temperature on the reaction.
- 8) Accurate Quantitative:** Accurate sampling method and constant experimental process ensure higher reference quantitative test results.
- 9) Use Easy:** The precise operation can be achieved by simply training the inspectors.
- 10) Field Test:** The necessary instruments, reagents and other accessories are all packed in the test box of about 20 inches of luggage.

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