

KU2071

**TABLE 4**

**SUMMARY**

1. Date the summary was prepared: June 15, 2011 SEP 23 2011
2. Submitter's name: Guangzhou Wondfo Biotech Co., Ltd.  
 Address: South China University of Technology  
 Guangzhou, P.R. China 510641  
 Phone: 012-86-20-32296069
- Name of contact person: Joe Shia  
 LSI International Inc.  
 504 East Diamond Ave.,  
 Suite F Gaithersburg, MD 20878  
 Telephone: 240-505-7880  
 Fax: 301-916-6231
3. Name of the device  
 Common or usual name: Cocaine Urine Test  
 Methamphetamine Urine Test  
 Trade or proprietary name: Wondfo Cocaine Urine Test  
 Wondfo Methamphetamine Urine Test

Classification: All are Class II medical devices with the following various product codes with Code of Federal Regulation references:

Product Code	CFR #
DIO	21CFR 862.3250
LAF	21CFR 862.3610

4. The legally marketed device to which we are claiming equivalence [807.92(a)(3)]:  
 Acon Laboratories, Inc. One Step Drug Screen Test, K020771.
5. Description of the device:  
 Assay Principle: Immunochromatograph assay for Cocaine and Methamphetamine Urine Test using a lateral flow, one step system for the qualitative detection of Benzoyllecgonine, D(+)-Methamphetamine (target analyte) in human urine. Each assay uses a monoclonal antibody-dye conjugate from mouse against drug with gold chloride and fixed drug-protein conjugate and anti-mouse IgG polyclonal antibody in membrane.
6. Intended use of the device:  
 Wondfo Cocaine Urine Test and Wondfo Methamphetamine Urine Test are intended for the qualitative determination of Benzoyllecgonine, D(+)-Methamphetamine (target analyte) at the specific cut-off concentration in human urine. They are intended for healthcare professional use and over the counter use.
7. Comparison to the predicate device  
 A summary comparison of the features of the Wondfo Cocaine Urine Test, Wondfo Methamphetamine Urine Test and the predicate devices is provided in the Table 1.

Table 1: Features comparison of Wondfo assays and the predicate devices

Item	Device	Predicate
Indication(s) for use	For the qualitative determination of Cocaine, Methamphetamine individual in human urine.	Same (but the number of drugs detected different)
Methodology	Competitive binding, lateral flow immunochromatographic assays based	Same

	on the principle of antigen antibody immunochemistry.	
Type Of Test	Immunoassay principles that rely on antigen-antibody interactions to indicate positive or negative result	Same
Results	Qualitative	Same
Specimen Type	Human urine	Same
Cut Off Values	Cocaine:300 ng/ml Methamphetamine:1000 ng/ml	Same (but the number of drugs detected different)
Configurations	Cup, dip card	Card, dip card with an integrated cup (same)
Intended Use	OTC Use & Prescription Use	Prescription Use

The Wondfo Cocaine Urine Test and Wondfo Methamphetamine Urine Test have similar technological characteristics and performance to the predicate and are equivalent.



Guangzhou Wondfo Biotech Co., Ltd.  
c/o Joe Shia  
Regulatory Consultant  
LSI International Inc.  
12828 Doe Lane  
Gaithersburg, MD 20878

**SEP 13 2011**

Re: k112071  
Trade Name: Wondfo Methamphetamine Urine Test  
Wondfo Cocaine Urine Test  
Regulation Number: 21 CFR 862.3610  
Regulation Name: Methamphetamine test system  
Regulatory Class: Class II  
Product Codes: LAF, DIO  
Dated: September 7, 2011  
Received: September 9, 2011

Dear Mr. Shia:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

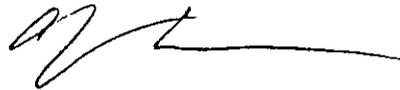
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

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If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of *In Vitro* Diagnostic Device Evaluation and Safety at (301) 796-5450. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at (301) 796-5760. For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 796-5680 or at its Internet address <http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,



Courtney H. Lias, Ph.D.  
Director  
Division of Chemistry and Toxicology  
Office of *In Vitro* Diagnostic Device  
Evaluation and Safety  
Center for Devices and Radiological Health

Enclosure

Indications for Use Form

510(k) Number (if known): K112071

Device Name: Wondfo Cocaine Urine Test

Indications for Use:

Wondfo Cocaine Urine Test is an immunochromatographic assay for the qualitative determination of Benzoyllecgonine in human urine at a cutoff concentration of 300ng/mL. The test is available in a dip card format and a cup format. It is intended for prescription use and over the counter use.

The test provides only preliminary test results. A more specific alternative chemical method must be used in order to obtain a conformed analytical result. GC/MS is the preferred confirmatory method. Clinical consideration and professional judgment should be exercised with any drug of abuse test result, particularly when the preliminary result is positive.

Prescription Use X  
(21 CFR Part 801 Subpart D)

And/Or

Over the Counter Use X  
(21 CFR Part 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE; CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)



Division Sign-Off  
Office of In Vitro Diagnostic Device  
Evaluation and Safety

510(k) K112071

Indications for Use Form

510(k) Number (if known): K112071

Device Name: Wondfo Methamphetamine Urine Test

Indications for Use:

Wondfo Methamphetamine Urine Test is an immunochromatographic assay for the qualitative determination of D(+)-Methamphetamine in human urine at a cutoff concentration of 1000 ng/mL. The test is available in a dip card format and a cup format. It is intended for prescription use and over the counter use.

The test provides only preliminary test results. A more specific alternative chemical method must be used in order to obtain a conformed analytical result. GC/MS is the preferred confirmatory method. Clinical consideration and professional judgment should be exercised with any drug of abuse test result, particularly when the preliminary result is positive.

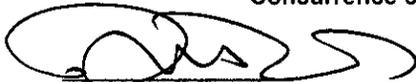
Prescription Use X  
(21 CFR Part 801 Subpart D)

And/Or

Over the Counter Use X  
(21 CFR Part 801 Subpart C)

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