

# Tampering with Drug Tests

*The Argonne Vulnerability Assessment Team:  
Internationally recognized expertise in tags, seals, cargo security, & physical tamper/intrusion detection*

## The Problem

We've demonstrated that 23 of the most popular urine testing vials and kits are easy to tamper with, including those used by DOE, DoD, and sports authorities.

These results are presented in a paper in the *Journal of Drug Issues* (in press). The paper also calls into question the security protocols commonly used for urine drug testing by the federal government and national/international sports authorities. The paper warns that there has been insufficient concern about the risk of malicious false positive results.



## Better Approaches

Given that drug test results are critical, affecting national security, public safety, and the careers, livelihood, and reputation of employees and athletes, much better security would seem warranted.

The Vulnerability Assessment Team (VAT) at Argonne National Laboratory has considerable expertise in developing better tamper-indicating seals and security protocols.



## About Argonne National Laboratory

Argonne National Laboratory, the nation's first national laboratory, is one of the U.S. Department of Energy's largest national laboratories for science and engineering research. Argonne has approximately 3,000 employees, including 1,000 scientists and engineers, three-quarters of whom hold doctoral degrees. Argonne's annual operating budget exceeds \$630 million. Since 1990, Argonne has worked with more than 600 companies, federal agencies, and other organizations.

Currently, 16% of Argonne's budget is for intelligence, defense, and homeland security projects (up from 6% before September 11, 2001). The long-term goal is to significantly increase this percentage.

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