

Hair testing is the most accurate and effective method of finding users of drugs of abuse. Using a small sample of hair cut at the scalp, hair analysis evaluates the amount of drug metabolites embedded inside the hair shaft.

When compared to the more traditional forms of testing, i.e. urine testing, hair samples can detect a longer period of drug use. With urine, most drugs are undetectable if urinalysis is done more than 2-3 days after use, with the exception of marijuana, which may be detected for a slightly longer period of time. After the 2-3 day period, a urine donor will test negative and slip through the urine screening process. With hair samples, the only time limitation for detecting drug usage is imposed by the length of the donor's hair. Each 1/2 inch of head hair provides a 30-day history of drug use. The standard for the industry is to test 1.5 inches, which provides a 90-day history of the donor's drug use.

If no head hair is available, body hair can be used. Bleaches, shampoos and external contaminants (i.e. marijuana smoke) have no known impact on test results.

Collection of hair samples can be done at one of the hundreds of locations across North America in the Saratoga Laboratories Collection Network. If you would prefer to provide your own collection, we can train and certify your personnel in the proper hair sample collection process.



Facts About Saratoga Labs

Saratoga Labs is Certified by the New York State Department of Health and CLIA.

Saratoga Labs is only the 3rd Hair Testing laboratory in the U.S. to file a submission for approval by the **U.S. Food and Drug Administration (USFDA)**.

Saratoga Labs uses state-of-the-art GC-MS/MS and LC-MS/MS technologies.

In July 2005, Saratoga Labs merged with Northeastern Toxicology Laboratories, which has served regional customers for 15 years.

Saratoga Labs is the 3rd U.S. laboratory to offer Urine ETG (ethylglucuronide) testing.

OTHER SARATOGA LABS PRODUCTS

◆ Urine Drug Tests

◆ Urine ETG (Ethylglucuronide)

This "80-Hour Alcohol Test" allows Alcohol Rehab centers to test for week-end sobriety on Tuesday or Wednesday.

Saratoga Labs

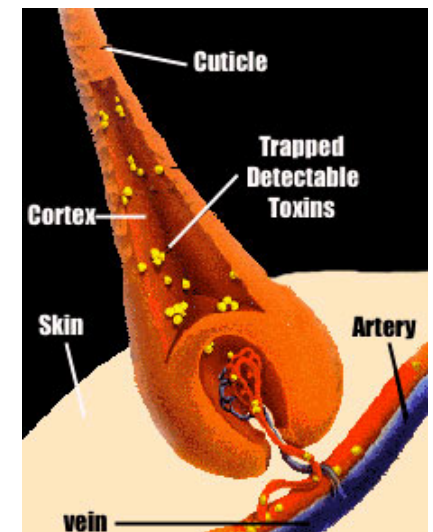
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Hair Testing



Saratoga Labs

Schuylerville, NY

COMPANY OVERVIEW

Saratoga Labs specializes in “long window” hair and urine drug tests, and merged with Northeastern Toxicology Laboratories in July 2005. Saratoga has a state-of-the-art facility and offers a complete drug-testing laboratory for its customers, which include criminal justice, drug and alcohol rehab, corporate, educational and other organizations. We currently serve customers throughout North America and Europe..

Saratoga Labs’ senior staff has overseen processing of millions of drug test samples, as well as expert witness testimony in hair testing. After running the U.S. Air Force’s drug testing program, Saratoga Lab’s Manager, Patrick Carpenter, reported directly to Drug Czar Gen. Barry McAffrey on current drug testing technologies. Subsequently, at Quest Diagnostics, he also directed Operations in the 2nd largest hair testing lab.

Why Drug Test?

Because 74% of all drug abusers are employed. Government studies reveal that 1 out of 6 workers has a drug problem and show that they:

- Cost an employer **\$7,000 - \$10,000** per employee annually
- Cost companies **300%** more in medical costs and benefits
- Are absent up to 16 times more often are 1/3 less productive

In surveys of drug abusers themselves:

44% admitted selling drugs to coworkers

18% admitted stealing from employers

Key Advantages of Hair Testing

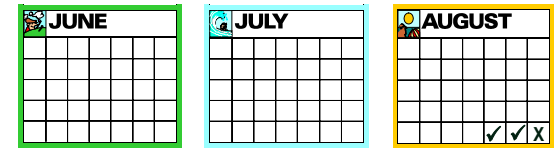
- Detects Drug Use for approximately a 90-day window versus 2-3 days with urine testing
- Specifically Detects Chronic Use of “Hard” Drugs Such As Cocaine, “Speed”, and Heroin
- Reduces Total Required Testing and Eliminates Test “Gaming”
 - ◆ If You’re Testing A Regular Drug User, You’ll Have Your Answer Fast
 - ◆ By Comparison, 8 Random Urine Tests Per Year Total 50% Probability of Detecting A Weekly Cocaine User (Journal of Addictive Disease, 2003)
- Very Difficult to Adulterate or Substitute
- Non-intrusive Sample Collection
- Cost Effective
- Quantitative and Historical Information
- Ideal for Baseline (Admission), Abstinence, Random and Periodic Testing
- Safety-Net Testing

Case Studies have shown that hair testing for pre-employment is up to 5x more effective than traditional urine testing.

What Drugs do we test for?

- Amphetamines (includes methamphetamine and ecstasy)
- Cocaine and metabolites
- Marijuana (THC metabolite)
- Opiates (codeine, morphine, 6-MAM, heroin)
- Phencyclidine (PCP)

ONE URINE TEST COVERS ~ 3 DAYS of Drug Abuse



ONE HAIR TEST COVERS 3 MONTHS!



Confidential & Proprietary

Hair testing is most useful for:

- ◆ Establishing a baseline of drug use over the prior 3 months
- ◆ Differentiating regular, chronic (High Risk) marijuana use from occasional use. Hair can potentially identify a single use of “hard” drugs such as cocaine and speed.
- ◆ Specifically identifying heroin and other “hard” drug use. Heroin markers deteriorate within hours in urine to codeine and morphine, and then can’t be distinguished from legal prescription drugs.
- ◆ Abstinence Follow Up with 4 convenient hair tests per year, performed quarterly
- ◆ Effective Prevention. With hair testing, test gamers KNOW that if they use drugs regularly, they will likely be caught
- ◆ Random testing. The testing can be conveniently announced, scheduled and tested without requiring toilets, etc. Since it doesn’t need to have an element of surprise, hair testing is the most convenient form of random testing and is the least disruptive of the workplace.
- ◆ Preventing staff burnout. Since hair is the most effective test to identify regular drug abuse, frustrating “gaming” by abusers is effectively reduced.