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Everything You Wanted to Know about Drug/Alcohol Screening in Five Minutes or Less

David H. Levy

FIVE DIFFERENT WAYS TO DETECT DRUG/ALCOHOL

- 1. Breathalyzer
 - Used only for alcohol detection.
 - Results are instantaneous.
 - A printed readout will give you the amount of blood alcohol in a person's body.
 - Inexpensive.
- 2. Saliva Test
 - Used only for alcohol detection.
 - A swab collects saliva on the inside cheek of the person.
 - This acts only as a screening test.
- 3. Urine Analysis
 - Used only for drug detection.
 - Measures the five most common types of drugs:
 - Marijuana
 - Cocaine
 - Amphetamines
 - PCF
 - Opiates (heroin, morphine, codeine).
 - Sample is first tested for presence of drugs.
 - If there is a finding of any drugs in the urine, a second-level test called a GCMS test (gas chromatography mass spectrometry) will be used to confirm the concentration of drugs in the urine.
 - The drugs that can be detected in the urine are as follows:
 - Marijuana—three weeks to three months.
 - Cocaine—three to four days.

- Amphetamines—fourteen days.
- PCP—fourteen days.
- Opiates—fourteen days.

4. Hair Follicle Test

- Used only for drug detection.
- Test measures the last three inches of growth from the root.
- Hair grows approximately one inch a month. Therefore, it will test for drugs taken in the last ninety days.
- It tests for the same five drugs listed above.
- It tests both for the drug itself and the metabolites of the drugs. A metabolite is the residue of the drug after it has been metabolized in the system, thereby confirming that the drug was ingested and not in the hair environmentally.
- Cost-\$500-\$600.

5. Blood Test

 This test is basically out of favor with the testing labs and is not used any longer. It is occasionally used to detect alcohol in DUI-type cases.

HELPFUL HINTS

- 1. When you are testing for the presence of drugs, make sure you ask for a hair follicle test. It will show the presence of drugs in the system or body longer and more accurately than any of the other tests.
- 2. Make sure there is a positive identification of the person taking the test.
- 3. Caveat: Sometimes hair dye or other hair processing treatments affect the results.
- 4. If you elect to use only a urine test, make sure the lab you use does a GCMS test.

If the test is positive, have the test subject be required to pay for the test.

Sample Urine Analysis Report

CLIENT INFORMATION

7329 80 TOP TECH LABS (TC) 816 SEERS DR SCHAUMBURE, IL 60173



8901 W. Lincoln Ave. West Alis, WI 53227-0901 Milwaukee 414-328-7900 800-877-7016

PRINTED: ACCESSION # 3/23/2001 13:56 REQ.# PATIENT ID# DATE OF BIRTH COMPANY NAME AGE/SEX COLLECTION SITE

- BESULT

COLLECTED:03/22/2001 CODES ORDERED: SE40!

UNES REFERENCE RANGE

SS#

11:00 RESULTS TO MRD

DOVID LEVY

SPECIMEN TYPE

RECEIVED:03/23/2001 (PerfAt)

EIA PANEL 4-CONF AMPHETAKINE COCAINE METABOLITE DPIATE: . . * PHENCYCLIDINE MARIJUANA METABOLITE CERTIFYING SCIENTIST

NEGATIVE MESI NEGATIVE [NEG] NEGATIVE [NEG3 NEGATIVE [NES] NEGATIVE ENEG]

DANIEL D. BRETL, B.S.

MAR 2 3 2001 MRO-NEGATIVE MEDICAL RÉVIEW OFFICER

DRUG CUTOFF LEVELS (NG/ML)	EIA SCREEN	SC/MS
AMPHETAMINES	1000	500
CANNABINGIDS	50	15
COCAINE METABOLITE	300	150
OPIATES	2000	2000
PHENCYCLIDINE	25	25
BARBITURATES/BENZODIAZEPINES	200	PDS/NEG
METHAQUALONE/METHADONE/DARYON		POS/NEG

TO THE EMPLOYER: This information CANNOT be rereleased without the specific consent of the employee, except for reasons of litigation in a court of law. General authorizations DO NOT qualify, As in any screening procedure, false positives may occur. Unconfirmed positive results do NOT meet forensic requirements of the CAP Laboratory Accreditation Program. Prescription drugs, over-the-counter medications and certain foods can be detected. WE SUGGEST THE USE OF A MEDICAL REVIEW OFFICER TO INTERPRET THESE RESULTS.

SPECIMEN TESTED UNDER CHAIN OF CUSTODY PROTOCOLS. Dilute Specisen

[*Indicates Critical Result] ★ [@, H, L, Indicates Abnormal Result] FINAL REPORT - ALL TESTS COMPLETE COC. PT 03/23/2001 13:56 END OF REPORT

Sample Hair Follick Test Report

UNITED STATES BRIG PESTING LABORATORIES
DES PLAINES 11. FINO S 60018
FAX (847) 375-0775

The result was 1.08 ng/mg of Cocaine.

1.08 ng/mg of Cocaene.

1.08 ng/mg of Cocaene.

Unless reported as detected, the following drugs or classes were screened for by impunous ay and were not detected at the cutoff concentrations:**

Amphetamines
Canhabinoids
Cocalne Netabolite
Cocaln

Douglas E. Lewis Technical Director

*Note: The amount of hair processed for analysis determines the final sensitivity of the assays. The cutoffs described above are based on analyzing of milligians of hair. Smaller samples will have proportionally higher cutoffs.