

DRUG & ALCOHOL TESTING

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DRUG & ALCOHOL TESTING

Designer Drugs

- **Synthetic Marijuana**
 - K2, Spice, many versions
 - Illegal in US
 - >100 x stronger than Marijuana
 - Products labeled
 - “Synthetic Free”
 - “Does not contain JWH-018, etc.”
 - “Not for human consumption”
 - “For aromatherapy only”
 - *Users are still positive for synthetic marijuana*



DRUG & ALCOHOL TESTING

2-CE

(Methoxylated Phenethylamine)

- Hallucinogenic similar to LSD
- Colorless oil mixed with amine salt creates crystals
- Oral, nasal, rectal or intravenous
- Mixed with marijuana or Ecstasy (Sparkle Flipping)
- Duration 6-10 hours
- Perception altered up to a day
- 1 death, 10 in hospital

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2C-i

- Street name in liquid, pill, powder form is called “Smiles”
- Effects are a combination of MDMA & LSD but far more potent
- Effects last from hours to days
- Fatalities and many overdoses in US
- Overdose causes seizures, kidney failure and fatally high blood pressure
- DEA classified 2C-i as a Schedule 1 substance

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25-i

- Synthetic hallucinogenic drug
- Street name “N-Bomb”
- Numerous deaths and overdoses
- One (1) death occurred after one (1) drop into nose

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W-18

- Sold sometimes as fentanyl
- 100 times more potent than fentanyl
- Fentanyl is 100 times more potent than morphine
- Started in Canada in 2016, now in US
- Naloxone has not been proven to reverse opioid depression like it does with heroin

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FLAKKA (aka Gravel)

- **Contains Alpha-PVP**
- **Instant sense of euphoria**
- **Boost of physical strength**
- **Tweaked version of Bath Salts**
- **Heart palpitations**
- **Aggressive, violent behavior**
- **Kidney failure or death**
- **Last 3-4 hours up to days**
- **Snort, swallow, injected, e-cig**



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KRATOM

- Herbal drug derived from a tropical tree native to Southeast Asia
- Mimics effects of other drugs: stimulants, sedative and euphoric effects, lucid dreaming, last 6 hours
- Users become thin, skin darkens (particularly on the cheeks), dry mouth, constipation and frequent urination
- Opiate addicts use to self-treat to replace methadone
- DEA list on drugs of concern

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KRATOM



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**People using Designer Drugs today are the
guinea pigs for future generations!!!!**

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DABBING

- Known as Butane Hash Oil (BHO), Dabbs, Budder, Honeycomb, Earwax
- Butane poured over marijuana extracts
THC called “blasting”
- Provides a stronger and faster high
- Leads to a higher tolerance/worse withdrawal
- 4 x stronger with concentration approx. 90%
- First appeared in the 70s but emerging rapidly in last 3 years
- Smoked in Dabbs pipe, modified water pipe or Vape E-cigarettes



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URINE TEST

Window of Detection

- Most drugs approximately 3 days
- Marijuana, up to 30 to 40 days

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External Adulterants

Potassium Nitrite

- Add to urine
- Sold as Klear, Whizzies, etc.
- Clear or golden
- Odorless
- A few drops



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Internal Adulterants

SURE JELL

Ingredients:

Fruit Pectin

Dextrose

Citric Acid



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Diluted Urine Specimen

- Creatinine ... < 20 mg/dL
- Reduces drug level 10 to 24 times
- Most common means of beating a urine drug test
- Consumed adulterants do not work

Do NOT ignore urine specimens with low creatinine levels!!!!

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Diluted Urine Specimen Study

- Day 1 subjects consumed 1 marijuana cigarette
Day 3 subjects consumed 40 mg of cocaine
- Days 2 and 4 Subjects consumed 1 gallon of water
(1 qt/hr)
- After consuming 2 quarts (2 hours)

Most subjects were producing false-negative results

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Does it matter if you wait a day or more after requesting a urine test?

YES!!!!!!

- 3 hours or less
 - Court orders still contain 8, 12, 24, 48 hours to test
- Witnessed eliminates the use of adulterants
- Random
 - Court order 1 random urine test per month
 - Minimum 2/month
 - Optimum “up to 3/month”

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Hair Testing

Body hair

- Window of detection 7 to 12 months
- Electric razor.....New or cleaned in presence of donor
- Safety razor.....New and discarded in presence of donor
- Scissors, hair clips.. Cleaned in presence of donor
 - Waist up only
 - Check cashing business
 - Hair clip and Swiss army knife

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Hair Testing

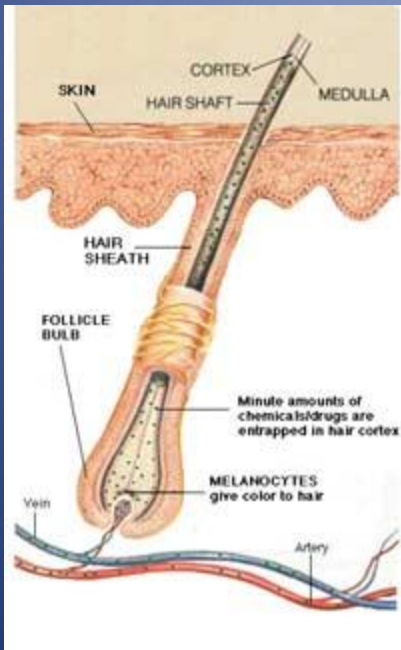
Head hair

- It is **NOT** a hair “follicle” test!!!!!!
- Window of detection 3 months excluding current 2 weeks
- Collected from 3 to 4 small areas in the back crown area

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150 to 200 strands of hair needed to run a test

Body.....5 million strands

Head100,000 strands, Dark colored hair

140,000 strands, Light colored hair



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Does it matter if you wait a day or more after requesting a hair test?

YES!!!!

- Shampoos, bleaching, stripping, etc.
- Document color of hair in court
- Include in order not to cut, color, bleach or alter hair

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Nail Testing

- Scraping surface of nail .. HIPAA, shorter window, insufficient quantity
- Cut distal end Preferred and longest window
- Nail clippers New and discard

Window of Detection

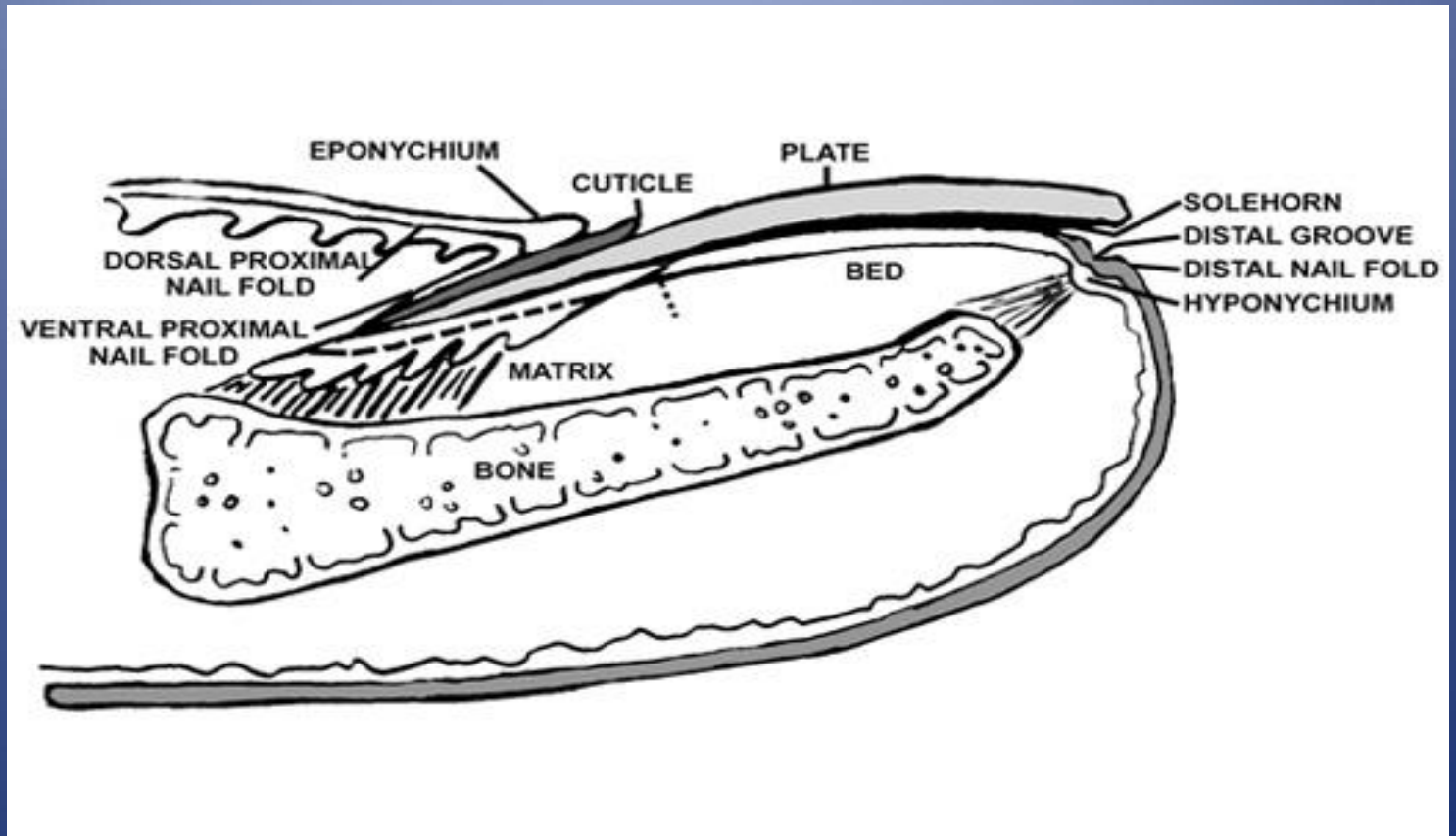
- Fingers.....3 to 5 months
- Toes..... 8 to 12 months



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DRUG & ALCOHOL TESTING



DRUG & ALCOHOL TESTING

**Does it matter if you wait a day or more
after requesting a nail test?**

NO!!!!

- Document nail length in court room
- Order not to cut, alter nails until nails are collected
- Too short, order to grow for 2-3 weeks
- Nail polish, acrylics, etc. must be removed
- 1 product on market claiming to clean nails

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EtG & EtS Alcohol

Urine

- Detection up to 80 hours for chronic consumption
- Detection window varies based on variables
- It will not detect a few drinks for 80 hours
- Non-drinkers do not have EtG or EtS in their system

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EtG & EtS Alcohol

Hair and Nail

- 3 month detection window from binge/chronic drinking
- Females: 4 drinks within 2 hours
>20 drinks per month
- Males: 5 drinks within 2 hours
> 40 drinks per month
- Bleaching hair destroys EtG
- Swimming (chlorine) 2 x 20 minutes reduced 20%
- Nails preferred over hair

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PEth BLOOD ALCOHOL

- Phosphatidylethanol (PEth) is a direct alcohol biomarker.
- The window of detection is up to 2-3 weeks.
- A positive is from consuming alcohol chronically or from binge drinking.
- Donor cannot manipulate test results.

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SOBERLINK Breathe Alcohol Device

- The User gets an automatic text reminder to take test
- If positive, continue testing every until < 0.02 BAC
- Device sends a report to the SOBERLINK Monitoring Portal with the user's BAC, digital photograph, time and GPS location are sent wirelessly to the SOBERLNK Monitoring Portal
- BAC report sent to user, ex-spouse, attorneys, etc. via email and/or text within 2 minutes



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SOBERLINK Breathe Alcohol Device Advantages

- Alternative to ignition interlock or SCRAM
- Cost effective alternative instead of EtG urine testing
- Unlimited random or scheduled testing at any time..... 24/7
- Certified fuel cell breathe analyzer
- Discreet, portable design
- 1500 tests or one (1) year before recalibration required

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What drugs are being tested?

Standard drug test

- Illegal drugs
- A few Rx drugs

Most Rx drugs not included

- List specific Rx drugs in the order or decree

Test for the new Designer Drugs (urine lab test available)

- Synthetic Marijuana (illegal in US)
- Bath Salts (illegal in US)
- Kratom (illegal in US)

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Streetrx.com

The screenshot displays the StreetRx website interface. On the left, there is a search bar and a map of the United States with numerous orange dots representing drug prices. A sidebar on the left contains a search form with fields for 'Name of drug' and 'Price per pill'. The main content area on the right is titled 'Latest Prices' and lists various medications with their prices and star ratings.

Price	Medication	Star Rating
\$10	Kanax, 2mg pill Fairbanks, Alaska	★★★★★
\$10	Adderall, 30mg pill Massachusetts	★★★★★
\$5	Vivanna, 40mg pill Columbia, Missouri	★★★★★
\$10	Adderall, 30mg pill Georgia	★★★★★
\$20	Novus Hydrocodone, 7.5/325mg pill Ohio	★★★★★
\$2.50	Adderall XR, 30mg pill Baltimore, Texas	★★★★★
\$2.50	Adderall XR, 30mg pill Texas	★★★★★
\$5	Adderall, 10mg pill Riverside, California	★★★★★
\$10	Kanax, 2mg pill Friedrichsburg	★★★★★
\$10	Paracetol, 7.5/325mg pill Wichita	★★★★★
\$5	Adderall, 20mg pill Portland, Maine	★★★★★
\$5	Woolin, 5mg/500mg pill Sacramento, California	★★★★★
\$5	Adderall XR, 20mg pill Virginia	★★★★★

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Rx PURCHASED ON STREETS

HYDROCODONE	\$8/PILL	7.5 mg
OXYCODONE	\$20/PILL	20 mg
	\$30/PILL	30 mg

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THE WHIZZINATOR..... introduced 1999

“Undetectable,

Foolproof,

Re-Usable”

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Pick Your Flesh Tone

White



Tan



Latino



Brown



Black



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The “Number One” for Ladies



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There are 4 types of labs that you should know about!

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Q & A