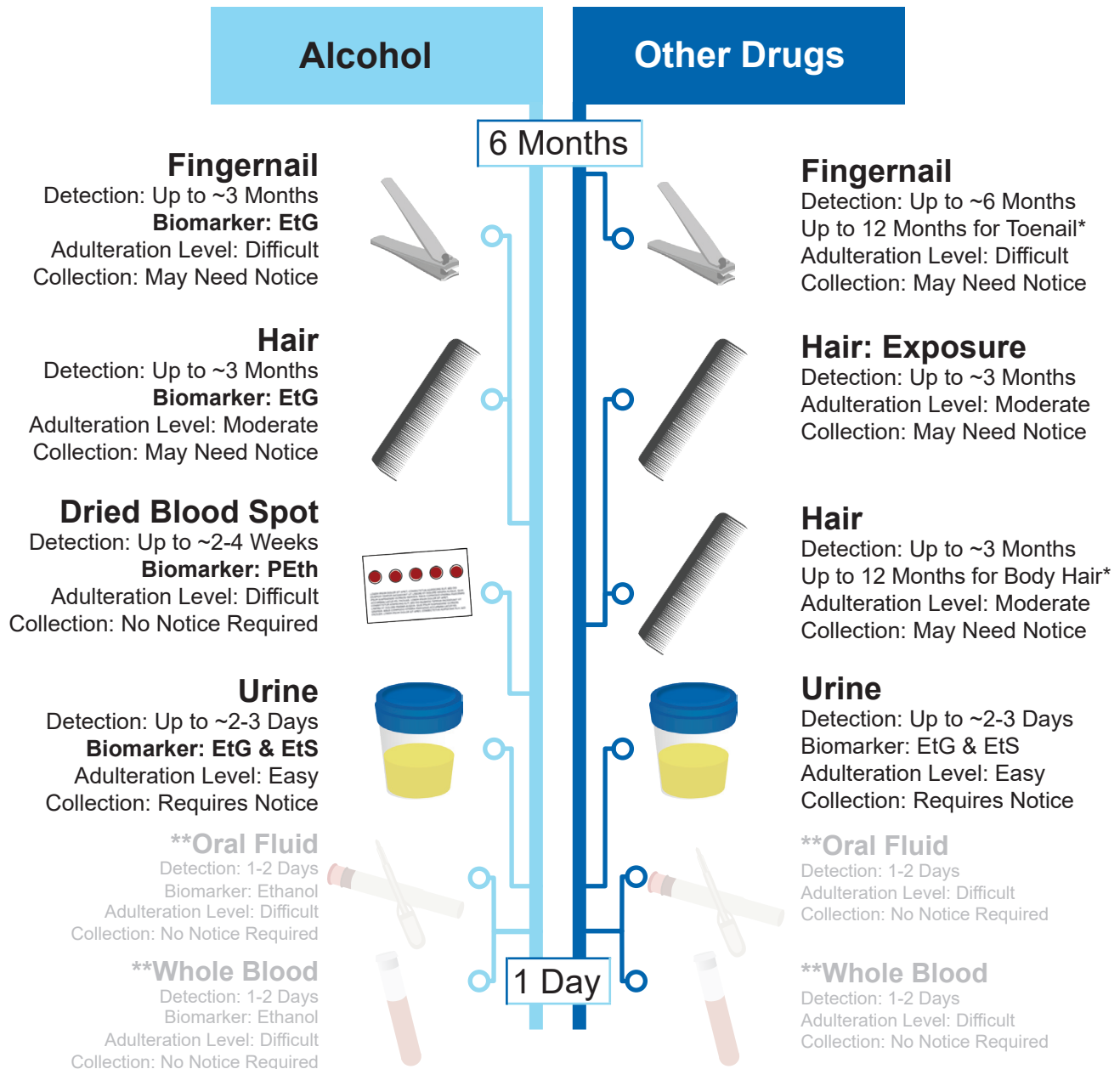


Choosing The Right Test:

Direct Alcohol Biomarkers and Other Substances

When Choosing a Test That's Right For You, Consider These 5 Factors:

1. Range of testing (drug panel)
2. Desired window of detection
3. Specimen type
4. Level of adulteration potential
5. Notice required before collection



*Collection of toenail and body hair should only be used if the primary matrices are not available.
Regarding collection: fingernail and toenail cannot be mixed; head hair and body hair cannot be mixed.

**Not offered at USDTL.

Hair and Nail Drug Panels

Drug Panels:

19 18 17 16 15 14 12 10 9 7 5

Amphetamines

amphetamine, MDA, MDEA, MDMA, methamphetamine

● ● ● ● ● ● ● ● ● ● ●

Cannabinoids

carboxy- Δ^9 -THC

● ● ● ● ● ● ● ● ● ● ●

Cocaine

benzoylecgonine, cocaethylene, cocaine, norcocaine

● ● ● ● ● ● ● ● ● ● ●

Opiates

6-MAM, codeine, hydrocodone, hydromorphone, morphine, norhydrocodone

● ● ● ● ● ● ● ● ● ● ●

Phencyclidine

phencyclidine (PCP)

● ● ● ● ● ● ● ● ● ● ●

Benzodiazepines

alprazolam, diazepam, midazolam, nordiazepam, oxazepam, temazepam

● ● ● ● ● ● ● ● ● ●

Barbiturates

amobarbital, butalbital, pentobarbital, phenobarbital, secobarbital

● ● ● ● ● ● ● ● ● ●

Methadone

EDDP, methadone

● ● ● ● ● ● ● ● ●

Propoxyphene

propoxyphene, norpropoxyphene

● ● ● ● ● ● ● ● ●

Oxycodone

oxycodone, oxymorphone, noroxycodone

● ● ● ● ● ● ● ●

Meperidine

normeperidine

● ● ● ● ● ● ●

Tramadol

tramadol

● ● ● ● ● ● ●

Fentanyl

fentanyl, norfentanyl, alfentanil, acetyl fentanyl, acetyl norfentanyl

● ● ● ● ● ● ●

Sufentanil

sufentanil, norsufentanil

● ● ● ● ● ● ●

Ketamine

ketamine, norketamine

● ● ● ● ● ● ●

Buprenorphine

buprenorphine, norbuprenorphine

● ● ● ● ● ● ●

Zolpidem

zolpidem (e.g. Ambien®)

● ● ● ● ● ● ●

Kratom

mitragynine, 7-hydroxymitragynine

● ● ● ● ● ● ●

Gabapentin

gabapentin

● ● ● ● ● ● ●