

# DOAs

## RAPID TEST



Visual one-step **individual** kit (not multidrug panel) immunoassay for the qualitative detection in human urine of the metabolite of:

- MOP (OPIATES)
- COC (COCAINE)
- MET (METHAMPHETAMINE)
- AMP (AMPHETAMINE)
- MTD (METHADONE)
- MDMA (ECSTASY)
- THC (MARIJUANA)
- BZO (BENZODIAZEPINES)
- BAR (BARBITURATES)



## 1. What is a Drug of Abuse?

Drug abuse is a psychoactive drug or performance enhancing drug for a non-therapeutic or non-medical effect that affects the central nervous system to perceive beneficial effects on perception, consciousness, personality, and behavior. Use of these drugs may lead to criminal penalty in addition to possible physical, social, and psychological harm, both strongly depending on local jurisdiction. Mostly of them can cause addiction and habituation.

## 2. What are H&R individual DOA's tests?

A visual one-step **individual (not multidrug)** immunoassay for the qualitative detection in human urine of the metabolite of each specific drug. For professional *in vitro* diagnostic use only.

### Range of tests:

**MOP (OPIATES):** are any of the narcotic opioid alkaloids found as natural products in the opium poppy plant, as well as its semisynthetic chemical derivatives. The major biologically active opiates found in opium are morphine, codeine, thebaine, and papaverine. Semi-synthetic opioids such as heroin, oxycodone, and hydrocodone are derived from these substances.

**COC (COCAINE):** is an addictive stimulant of the central nervous system and an appetite suppressant obtained from the leaves of the coca plant. With around 600 metric tons of world consumption, is the second most popular illegal recreational drug behind marijuana.

**MET (METHAMPHETAMINE):** is a psychoactive stimulant drug that increases alertness and energy. Methamphetamine has high potential for abuse, activating the psychological reward system by increasing levels of dopamine, norepinephrine and serotonin in the brain. Its addiction is one of the most difficult forms of addictions to treat.

**AMP (AMPHETAMINE):** is a psychostimulant drug that is known to produce increased wakefulness in association with decreased fatigue and appetite. Amphetamine is related to drugs such as MET which act inducing euphoria. The social impact of amphetamine continues to be quite extensive.

**MTD (METHADONE):** is a synthetic opioid whose withdrawal symptoms are generally slightly less severe than those of morphine or heroin at equivalent doses but are significantly more prolonged. Tolerance to analgesia usually occurs during the first few weeks of use.

**MDMA (ECSTASY):** is an entactogenic drug of the AMP families. MDMA is one of the most widely used recreational drugs in the world as is taken in a variety of contexts. It is criminalized in most countries in the world under an U.N agreement.

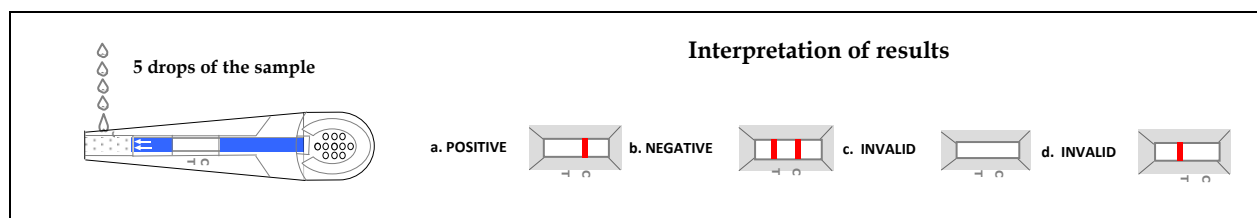
**THC (MARIJUANA):** its use has been assessed by several studies to be correlated with the development of anxiety and psychosis. Even being the most consumed drug in the world, the damage Cannabis causes seems to be underestimated and, for many, unknown.

**BZO (BENZODIAZEPINES):** enhance the effect of the neurotransmitter gamma-aminobutyric acid, which results in sedative, hypnotic, anxiolytic, anticonvulsant, muscle relaxant and amnesic action. Its abuse is mostly limited to individuals who abuse other drugs.

**BAR (BARBITURATES):** are drugs that acting as central nervous system depressants, produce a wide spectrum of effects, from mild sedation to total anesthesia. They have addiction potential, both physical and psychological that can develop quickly.

## 3. How are H&R DOA's tests performed?

- A fresh urine specimen should be used. Use a separate pipette and device for each sample or control.
- Remove the H&R AMP device from its sealed bag just before using.
- Slowly place 5 drops (150 µL) of clear specimen (urine) onto the circular window marked with an arrow.
- Wait for coloured bands to appear. Read the result at 10-20 minutes without further manipulation. Results obtained after more than 20 minutes are not considered valid.



## 4. Performance Data

Please check each instruction of use.

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