

Marijuana Δ^9 -Tetrahydrocannabinol (THC)**Interpretation**

The parent drug, Δ^9 -tetrahydrocannabinol (THC), has a clearance half-life of less than 30 minutes and is not detectable in urine. Following a dose of THC, the metabolite typically appears in the urine within 60 minutes, but can take as long as 4 hours.

Note: The presence of the major THC-COOH > LOQ indicates exposure to THC within 3 days after a single use, to approximately 30 days in heavy chronic users.

Metabolites

- The major metabolite is tetrahydrocannabinol carboxylic acid (THC-COOH). THC-COOH is inactive and very lipid soluble.

Δ^9 -tetrahydrocannabinol (THC) → tetrahydrocannabinol carboxylic acid (THC-COOH)

Confirmation Tests

- Tetrahydrocannabinol (THC) Confirmation, Urine

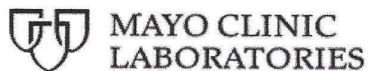
Approximate Detection Times

Marijuana/Cannabis (THC-COOH)	LOQ (ng/mL)	Detection Time* up to
Single Use	3	3 days
Moderate Use (4 times per week)		5 days
Heavy Use (daily)		10 days
Chronic Heavy Use		30 days

*These are approximate detection times for the drug or metabolites in urine. The actual detection time depends on dose, frequency of use, and individual metabolism.

<https://www.mayocliniclabs.com/test-info/drug-book/marijuana.html>

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