

DATA SHEET

THC Detection Window with OralTox®



Detect Recent Cannabis Use—Not Historical Exposure

One of the biggest challenges in workplace drug testing today is distinguishing **recent use from past exposure**.

Traditional urine testing detects non-psychoactive cannabis metabolites that can remain in the body for days or even weeks.

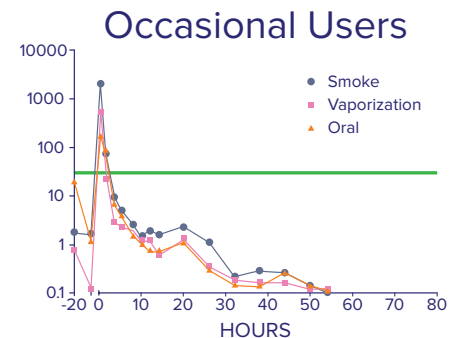
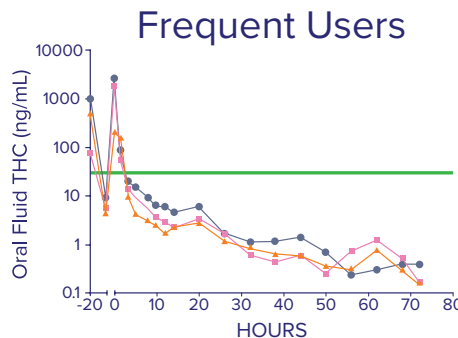
OralTox® works differently. It detects THC (the psychoactive compound in cannabis) in oral fluid, providing a much shorter detection window that is measured in hours, not days. This makes it far more aligned with identifying *recent* cannabis use that may be relevant to workplace safety decisions.

What the Research Shows

In the study shown opposite, the green line represents the OralTox® THC cutoff of 40 ng/mL.

Across both frequent and occasional users, THC concentrations in oral fluid generally dropped below this cutoff within fewer than 8 hours after use.

This means OralTox® is designed to identify very recent cannabis use, rather than use that occurred many hours or days earlier.



Source: Swortwood MJ, Newmeyer MN, Andersson M, Abulseoud OA, Scheidweiler KB, Huestis MA. Cannabinoid disposition in oral fluid after controlled smoked, vaporized, and oral cannabis administration. *Drug Test Anal.* 2017 Jun;9(6):905-915. doi: 10.1002/dta.2092. Epub 2016 Oct 13. PMID: 27647820; PMCID: PMC5357602.

What This Means in Practice

For employers and testing programs, OralTox® provides a more practical and relevant detection window.

In most real-world situations:

- **Very recent cannabis use can be detected**
- **Use from the previous evening is unlikely to trigger a positive result**
- **Testing focuses on recent use that may impact workplace safety**

This is one reason oral fluid testing is increasingly adopted as a modern alternative to urine testing.

Oral fluid testing is widely accepted in workplace programs and is recognized in federal testing guidelines, including those issued by SAMHSA & DOT.

To learn how OralTox® can support faster, more relevant drug testing decisions, contact **Premier Biotech** or speak with your sales representative.