

Water Test Kit Pro

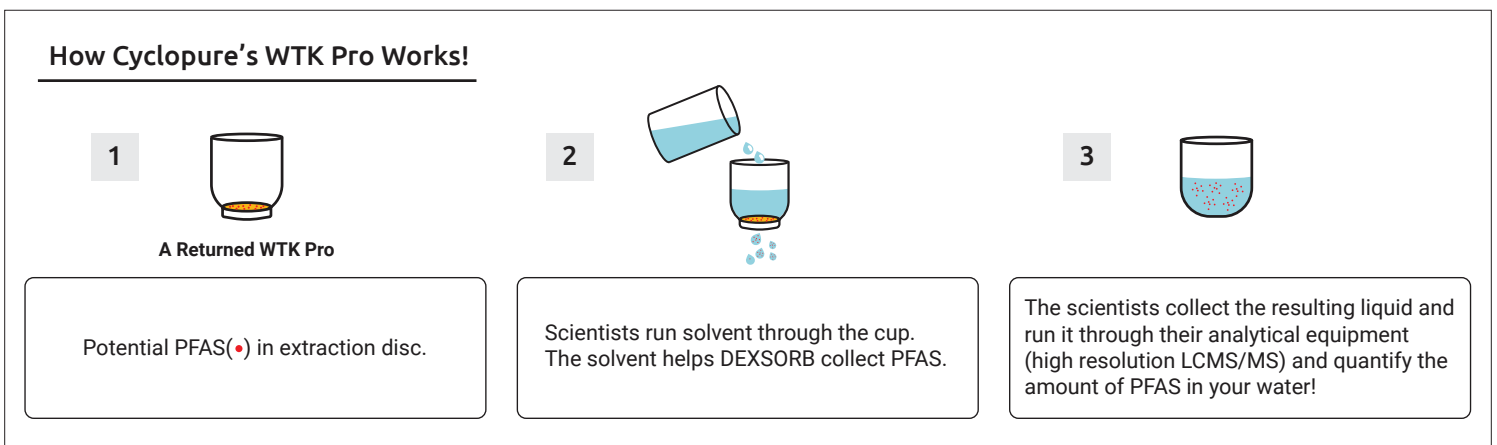
Q1. What is the Cyclopure Water Test Kit Pro?

Our Water Test Kit Pro is designed to test for 55 PFAS Analytes using a DEXSORB® loaded extraction disc in the bottom filter. Using DEXSORB®, we can accurately measure and quantify the presence of short and long chain PFAS in a convenient point of site, time-specific extraction method.

DEXSORB® media extracts PFAS from contaminated waters through a unique adsorption mechanism – host-guest complexations. This occurs in the uniform 0.78-nm hydrophobic cavities of DEXSORB®, which are ideally suited to PFAS through size-inclusion, and excluding other contaminants like plastic particulates that are too large to fit (size-exclusion).

Q2. How are PFAS recovered and measured at the Cyclopure lab?

When the WTK is received, Cyclopure analytical chemists perform standard solid-phase extraction (SPE) to recover PFAS compounds captured by the DEXSORB® extraction disc. The eluted PFAS sample is subsequently analyzed on a HPLC-MS/MS. Analytical procedures use isotope dilution for PFAS measurement and quantification. The analysis of water samples has been validated to the requirements of EPA Methods 533, 537 and 1633, and follow instrument procedures for internal standardization and calibration.



Q3. How many PFAS compounds does Cyclopure test for?

Cyclopure tests for 55 PFAS structures, including all 40 PFAS listed in EPA Methods 533, 537 and 1633.

Q4. What are the reporting limits of Cyclopure analytical methods?

The limit of quantification (LOQ) for each of the 55 PFAS tested under Cyclopure analytical methods is 1.0 ppt (ng/L). Reporting limits have been validated to the accuracy criteria of EPA methods, including Minimum Reporting Limit (MRL) confirmation.



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Q5. Is Cyclopure's testing a certified method?

Cyclopure testing for PFAS follows the same analytical methods using isotope dilution as other commercial labs and has been validated to EPA's Demonstration of Capability Quality Control Requirements. Prior to analysis on HPLC-MS/MS, Cyclopure and other commercial labs process water samples using standard SPE methods to extract and recover PFAS. The difference in methods is that other labs perform PFAS extractions in lab on water samples collected by customers, while Cyclopure customers perform PFAS extractions in the field using the company's DEXSORB[®]-loaded extraction disc. Field extraction avoids trip contamination; PFAS are adsorbed and securely locked into DEXSORB[®]'s cyclodextrin cups. To be certified, a commercial lab must follow all of the procedures of EPA methods, including the shipment of water for analysis.

Q6. I notice that the collection cup is made of plastic. Will this affect my test results?


All components of the WTK are pre-conditioned and validated to be trace clean, analytical grade for accurate PFAS sampling, including the filter cup, glass fiber membranes, and the DEXSORB[®]-loaded PFAS extraction disc. No leaching of any other contaminants like plastics will occur during the PFAS sampling activities using our WTK.

Q7. Can I use Cyclopure's Water Test Kit Pro to test surface waters?

Yes. Cyclopure's Water Test Kit Pro can be used with equal performance and accuracy for surface waters, well water and tap water. Sample collection follows the same procedure of passing 250 mL of water through the collection cup.

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Q8. How to read a WTK Report?



Water Test Kit Pro
Results Report

710 Clark Street Suite 350, Evanston, IL 60201 | cyclopure.com

To: [REDACTED] **Date:** [REDACTED]

Thanks for testing your water with us! We test for 55 PFAS compounds. **PFAS detects are highlighted in yellow.** Concentrations are shown in parts per trillion (ppt). Our **limit of quantification (LOQ) is 1.0 ppt** for each of the 55 PFAS. We do not report detection values below our LOQ.

Your report lists results for each of the EPA regulated PFAS6 compounds (PFOA, PFOS, PFHxS, PFNA, GenX, and PFBS). Values are reported under Additional PFAS for the other 49 PFAS tested only if there has been a detection above 1.0 ppt. Regulatory information for the PFAS6 is located on the next page.

What's In My Water?

Kit# 13941. We found 1 PFAS in this water sample, with a **total concentration of 22.6 ppt.**

| | |
|---------------------------|---------------------|
| Barcode | WTK_PFAS_13941 |
| Name | [REDACTED] |
| Location | Vancouver, WA 98684 |
| Comments | municipal, home |
| Filtration | Filtered |
| Sampling Date | 11/16/24 13:45 |
| Order Number | 21255 |
| PFOA | < 1.0 ppt |
| PFOS | < 1.0 ppt |
| PFHxS | < 1.0 ppt |
| PFNA | < 1.0 ppt |
| GenX | < 1.0 ppt |
| PFBS | < 1.0 ppt |
| Total PFAS (EPA PFAS6) | 0 |
| Additional PFAS | |
| PFBA | 22.6 |
| Total PFAS (All Detected) | 22.6 |

What's In My Water?

- **Kit number/water sample number:**
This number identifies your sample. It is also the barcode number that is on your cup and on the back of the box containing your kit.
- **Filtration status:**
This is helpful in providing further insight into your sample. You may find this especially useful if you are comparing between multiple samples with different filtration statuses.
- **Comments:**
Any additional information you write on your card will be visible in the "Comments" section.
- **Sampling location**
- **Total PFAS Concentration:**
This number refers to the total concentration of PFAS detected in your sample in ppt.
- **Limit of quantification (LOQ):**
At 1.0 ppt (ng/L), Cyclopure has the lowest LOQ for PFAS testing.
- **Individual detected PFAS concentrations:**
If PFAS was detected in your sample, the row will be highlighted in yellow. The column on the left will tell you which specific PFAS Analyte was detected while the column on the right will tell you the concentration of PFAS detected in ppt.