



EFFICIENT SAMPLE PREPARATION

Per- and polyfluoroalkyl substances (PFAS) are persistent contaminants found in soil, water, food, and air, requiring precise monitoring methods. Microwave-Assisted Extraction (MAE), widely used in sample preparation for organic pollutants in soils, sediments, and biosolids, now extends its capabilities to PFAS. The ETHOS X for PFAS analysis is specifically designed to deliver the highest throughput, processing up to 44 samples per batch. This ensures an efficient workflow and the highest productivity available on the market.



PFAS-FREE DISPOSABLE VESSELS

EPA 1633 COMPLIANT

NO CLEANING REQUIRED

HIGH THROUGHPUT

FASTER SAMPLE PREPARATION

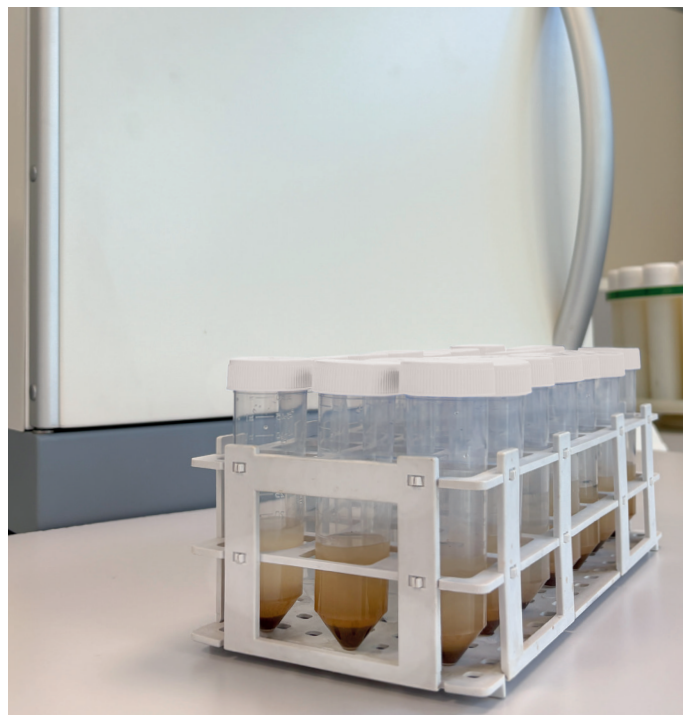
MAE FEATURES AND BENEFITS FOR PFAS ANALYSIS

HIGH THROUGHPUT

The XTR-44 Extraction Rotor accommodates up to 44 samples per batch, simplifying workflows with commercially available polypropylene centrifuge tubes in various volumes, such as 50 mL. By keeping samples in the same tube throughout the process, this approach minimizes contamination. Additionally, the dedicated microwave configuration meets the requirements of EPA Method 1633, while providing a 70% reduction in sample extraction time.



DESIGNED FOR PFAS-FREE PROCESSING



The rotor design, specifically developed for PFAS, ensures that all vessel components in contact with samples are PFAS-free. Using disposable vessels eliminates the need for cleaning and prevents carry-over between runs. This approach significantly reduces contamination risks and streamlines the sample preparation process, while providing excellent recoveries within method requirements.

CONSISTENT PROCESS CONTROL

Advanced sensors in the ETHOS X system along with active stirring using non-teflon stir bars deliver precise temperature control and uniformity throughout the extraction process. The easyTEMP sensors and easyCONTROL software ensure uniform conditions across all positions, guaranteeing consistent and reproducible results. The intuitive software of the ETHOS X provides effortless user experience for routine PFAS sample preparation.

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