

## LC Tech Modified System for No Blank Values in Automated PFAS Clean-up

*LC Tech GmbH, expert for automated sample clean-up enables the reliable and unattended clean-up of perfluoroalkyl and polyfluoroalkyl substances without blank values in the subsequent analysis due to fluorine-free system material.*

A new EFSA (European Food Safety Authority) risk assessment asks for higher regulation of perfluoroalkyl and polyfluoroalkyl substances due to newly validated high toxicity. This subsequently increases the need to concentrate the samples to be analysed.

LC Tech has now modified the automated sample clean-up system FREESTYLE and almost completely freed it from fluorine-containing plastics such as PTFE. This allows clean-up and concentration without blank values derived from the system and avoids false results.

The combination FREESTYLE SPE-XANA-PFAS allows the automated clean-up of perfluoroalkyl and polyfluoroalkyl substances from up to 24 water samples of 0.25 to 10 litres quickly and unattended, even at weekends and overnight.

The parallel processing steps "conditioning", "loading", and "washing" as well as the simultaneous processing of 3 samples each, increase the sample throughput and thus lead to an increased productivity of laboratories.

In addition to large-volume water samples, the PFAS-free system is also available for samples from solid phase extraction with smaller volumes (without XANA module): FREESTYLE SPE-PFAS. This configuration is suitable for all solid phase extraction methods, especially for the clean-up of food and soil samples.

By applying controlled pressure of up to 4 bar, even viscous samples or samples that do contain non-solid suspended matter be forced through the SPE column can in many cases.

Both system configurations are suitable for small laboratories with low sample volumes as well as for high-throughput laboratories.

All FREESTYLE modules are pre-configured and are operated via the FREESTYLE software. The user selects the required application with just a few mouse clicks. Cross-contamination is reliably avoided at all times.

See all the advantages and the sophisticated technology of FREESTYLE for yourself at **analytica 2020 in Munich, Germany, in hall A2 booth 400.**



*FREESTYLE SPE-XANA-PFAS  
Robotic System*

## About LCTech GmbH

LCTech GmbH is based in Obertaufkirchen, Germany. Since 1998, it has been developing and distributing unique robotic systems and automated products for the preparation and analysis of food, animal feed, toxicological, and environmental samples. The product range includes both semi and fully automated sample preparation systems as well as consumables utilised in the analysis of contaminants and residues.

LCTech is represented worldwide through a well-developed distributor network and acts additionally as the exclusive distributor for PICKERING Laboratories in Europe, Africa Middle East and the CIS-countries.

Worldwide, many customers – including governmental and contract laboratories focusing on food and feed analysis, and also those working in the pharmaceutical industry or research – equally appreciate both, the modern and efficient products of LCTech as well as its responsive and competent customer support. More information is available online via [www.LCTech.de](http://www.LCTech.de).

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