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Automated Sample Preparation for Dioxins and PCB

DEXTech 16

Fully Automated PCB and Dioxin Analysis

Dioxins and PCB



Unbeatable Automation: DEXTech 16

With the sample clean-up system DEXTech 16, LCTech developed a sensation for [PCB and dioxin analysis](#). With our extensive experience as a specialist in automated sample preparation, we set a new and unique standard: the fully automated clean-up of 16 samples in 1 sequence: for food, feed, environmental and biological samples. The system separates PCBs and dioxins in one fraction each.

1 System - 1 Sequence - 16 Samples

DEXTech 16 processes 16 samples fully automated and unattended in one sequence around the clock, day and night. Your samples are quantitatively loaded one after the other via an autosampler. Afterwards they are transferred via the sample loop onto the 3-column setup of the system. The sample clean-up is based on the expertise gained on the DEXTech Pure system using an acidic silica gel column, an aluminium oxide column, and a carbon column.

[More details about LCTech`s columns for PCB- and dioxin analysis](#)

Flexible Method Parameterization

Besides the standard methods already stored in the system, you can freely parameterize, save and change up to 28 additional methods at any time. This allows you to configure your DEXTech 16 system for each sample according to your requirements. Methods that have already been evaluated on the DEXTech Plus and DEXTech Pure systems can be transferred to full automation with DEXTech 16.

The clean-up in DEXTech 16 is compliant with the EPA method and European regulations.

Only 30 Minutes of Preparation and Off You Go

The system can be prepared to start a sequence within only 30 minutes. The user just have to place the samples into the system, chose or modify a stored method, and insert the ready-to-use columns into the column carousel. After starting the system, DEXTech 16 processes sample by sample sequentially without any further manual step. After subsequent evaporation, the analytes of the purified fractions can be measured in a single GC/MS run each.



Place the samples



Insert the columns - press „Start“

Software and Further Features for Easiest Handling

A sophisticated, yet easy to handle software builds the core of the system and offers a comfortable operation via touch screen including advantages like password protection, permanent overview of process status, or report generation.

Due to the special design, exchangeable columns, and automated rinsing steps, cross contamination can be excluded. Furthermore, the system has numerous safety features, like

- Permanent monitoring of the robotic operations
- Waste sensor
- Overpressure detection with “non-stop policy”

Automate Your Routine: Safe Time for Other Tasks

Years of experience combined with unique technology enables this impressive technological advance: Fully automation in PCB and dioxin analysis - and thereby preparation of your samples during day, night and even at weekends. Besides additional sample throughput, you can also ensure the optimal capacity of your GC/MS system.

Please contact us

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Prices and Example Offers

Information on prices and example offers can be found in the Distributor-Login area.
We will be happy to send you your access data on request to info@lctech.de.

News

[Dichloromethane free method for your dioxin and PCB sample clean-up \(pdf | 156 KB \)](#)

Video

[DEXTech 16 in action](#)

Flyer and brochures

[DEXTech product family brochure \(pdf | 1 MB \)](#)

[DEXTech 16 flyer \(pdf | 718 KB \)](#)

Press Release

1 system - 1 sequence - 16 samples

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