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Automated Sample Preparation for Dioxins and PCB

DEXTech Heat

# Automated Sample Clean-up with DEXTech Heat

## Dioxins and PCB



## For PCB and Dioxin Samples Hardening at Room Temperature

Samples like PFADs or stearin get solid at room temperature. DEXTech Heat has been developed especially for these samples.

Your sample remains liquid during the entire clean-up process without any additional manual handling, as the system heats it at all necessary positions. An automated “walk-away”-solution with the certainty that your sample is processed reliably without clogging.

## Causes Every Sample to Melt

All involved components from sample vial to loading onto the first column are constantly heated via three heating

zones. The temperature of the heating zones can be set individually via a control unit.



*1 - Sample Vial*



*2 - Tubings*



*3 - Sample Loop*

## Simple, Safe, and Flexible

Based on [DEXTech Pure](#), DEXTech Heat has the proven technology and functions of the DEXTech product family:

- Automated processing without manual handling during the entire process
- Perfect separation of PCBs and dioxins in one fraction each with excellent results
- Standard methods (Alox Pure, Alox Plus method) or flexible parameterization
- Column tower with patented locking system, which automatically locks the columns pressure tight
- 3-column set-up with aluminium oxide column
- [Certified columns](#) for PCB and dioxin analysis: ready-to-use, easy to handle “just click it”
- Cross-contamination is reliably excluded
- High recovery rates
- Simple handling of the system

- Safety for the user due to a variety of safety features

The system can also be used without heating for ordinary samples that do not harden at room temperature at any time.

## DEXTech Heat Handles All Samples with Best Results

DEXTech Heat reliably processes all samples in PCB and dioxin analysis. Heating prevents clogging of the clean-up column. In addition, the samples obtain a homogeneous consistency, which results in a better distribution of the quantification standard and thus better recoveries.

During the fractionation of a sample, the next sample can be heated offline. This saves additional time.

The design of the system, exchangeable columns, and automated rinsing steps reliably exclude cross-contamination.

Please contact us

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News

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

Flyer and brochures

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

[DEXTech Heat flyer \( pdf | 538 KB \)](#)

Press release

[Automated sample clean-up in PCB and dioxin analysis for samples hardening at room temperature](#)

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