



D - E V A

Parallel and Fast *Evaporation* of Your Samples

D-EVA (Dioxin-Evaporation) is a brilliant solution for fully-automated and reproducible concentration of your PCB and Dioxin samples before and after the clean-up step:

Unattended Concentration!

Due to Automatic Stop Sensor
Designed by LCTech



Cryotrap

The Smart Solution for Concentrating Samples

- **1 up to 23 samples (PCB rotor) or 1 up to 53 samples (Dioxin rotor)** in parallel
- **Efficiently evaporate** to near dryness, reaching a final volume of 30 to 150 μL for the PCDD/F fraction, or app. 300 μL for the PCB fraction, with consistent reliability
- **Direct transfer** into a GC-vial with insert. No need for additional rinsing of the sample vial
- The centrifuge reliably **prevents** both **boiling distortions** and cross-contamination, effectively maintaining the analytes in solution
- Supply of thermal energy via infrared lamps; after switching off the lamps, **no further heating and evaporation** will occur
- **Saves laboratory space** by parallel processing a greater quantity of samples with just a single system
- **No solvent vapour** in the laboratory due to a cryotrap
- **Different rotors** for different sample vials

Evaporation of 55 PFAS with D-EVA

The D-EVA's standard rotors permit the use of not just glass but also plastic centrifuge tubes for evaporation. Moreover, the PFAS version's unique sensor facilitates evaporation for up to 23 or 53 Falcon tubes.

23 \times 40 mL to 500 – 900 μL in under 3 h
or 53 \times 10 mL nearly to dryness in 2 h



D-EVA PFAS Rotor for Falcon Tubes

Automatic Stop for Unattended Processing

With the *intelligent LCTech sensor*, the system concentrates your samples to a specified small volume, using vacuum and infrared light energy. It stops exactly at the right moment, preventing any post-process heating of the sample.



Order Information:

P/N	Description
16900	Rotational-Vacuum-Concentrator D-EVA Complete and Ready-to-Use: Concentrator with special software for dioxin and PCB evaporation, including cryotrap, pressure control, diaphragm pump
Rotor, Sensor and Vials for the Dioxin-Fraction in Toluene (from DEXTech Pure and DEXTech 16)	
16742	Fixed-Angle Rotor, 54 positions (53 positions for samples / 1 position for reference vial with sensor)
16741	Sensor for below mentioned vial
15781	Centrifuge Tube, GL14, 100 pcs/pkg, nominal content max. 15 mL, max filling volume 11 mL
V0014-SL	Screw Cap GL 14, with hole, 100 pcs/pkg, suitable for P/N 15781
V0014-D	Seal for Centrifuge Tube GL 14, 100 pcs/pkg, suitable for P/N 15781
Rotor, Sensor and Vials for the PCB-Fraction in DCM/n-Hexane-Fraction (from DEXTech Pure and DEXTech 16)	
20139	Fixed-Angle Rotor, 24 positions (23 positions for samples / 1 position for reference vial with sensor)
16738	Sensor for below mentioned vial
16452	Centrifuge Tube, GPI 24-400, 50 pcs/pkg, nominal content max. 40 mL, max filling volume 25 mL
V0024-SL	Screw Cap with Hole, 100 pcs/pkg, suitable for P/N 16452
V0025-D	Seal for Centrifuge Tube GPI 24-400 pcs/pkg, suitable for P/N 16452
Rotor, Sensor and Vials for a Volume up to 85 mL	
16929	Fixed-Angle Rotor, 12 positions (11 positions for samples / 1 position for reference vial with sensor)
16755	Sensor for below mentioned vial
16725	Centrifuge Tube, GL 32, 2 pcs/pkg, nominal content max. 130 mL, max. filling volume 85 mL
16754	Screw Cap GL 32, 10 pcs/pkg

Please don't hesitate to request further details about LCTech's unique EVaporation system



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