

ORGANIC SAMPLE PREPARATION

AutoEmpore



LabTech

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THE INNOVATIVE AUTOMATION SOLUTION FOR SPE

AutoEmpore is an **advanced system engineered for efficient solid-phase extraction (SPE) of large-volume water samples**, including clean water, surface water, municipal wastewater and industrial effluents. With its exceptionally fast sample loading, AutoEmpore delivers a substantial improvement in efficiency over traditional manual SPE methods. It features an innovative sample

loading design, automatic online filtration and water removal capabilities, replacing numerous complex manual operations. This streamlines the process, greatly reduces sample processing time and increases test efficiency. The system is widely applicable across various industries, including environmental disease control and public security.

- » **Modular design: 3–12 channels, tailored to your needs**
- » **Short pathway for direct water loading, no pre-filtration needed**
- » **Cartridge & disk compatible**
- » **Smart wireless tablet control**
- » **Multiple vial collection options: no transfer tubes, no wasted time**
- » **Compact footprint, maximum efficiency on your bench**



Integrated syringe pump system for a precise and independent control.



Easy access and intuitive control for enhanced operator efficiency.

TECHNICAL FEATURES

■ FLEXIBLE SAMPLE HANDLING

Run 3 or 6 samples individually or combine systems to process up to 12 samples simultaneously.

■ OPTIMIZED PATHWAY DESIGN

Short flow paths for efficient analysis of emerging contaminants.

■ DIRECT WATER SAMPLING

Inline removal eliminates the need for filtration.

Raw water samples can be processed directly without the need for filtration.

■ MULTI-SOLVENT CAPABILITY

Use up to 8 different solvents, conveniently positioned on top for space efficiency.

■ METHOD-READY

Fully compatible with EPA 533 & 537 protocols.

■ VERSATILE COMPATIBILITY

Works with 1, 3, 6, 12, 20 mL cartridges and 25, 47 mm disks (90 mm option available), plus various collection vials.

■ INERT, PFAS-FREE CONSTRUCTION

Safe for sensitive environmental applications.

■ USER-FRIENDLY CONTROL

Wireless touch interface for intuitive operation.

■ ORIGINAL SAMPLE BOTTLE USE

Eliminates the need to transfer samples to other containers.

■ PRECISE INDEPENDENT CONTROL

Each channel can run different methods independently, with a dual independent pump system accurately controlling flow rates.

TECHNICAL SPECIFICATIONS

Number of Station	3 / 6 / 9 / 12 stations
Dimensions (WxHxD)	606x740x465 mm (for 3-station only)
Weight	30 kg (3-station)
Power Supply Voltage	100~240VAC, 50/60Hz, 4.0A
Power Consumption	221 watts (Max)
Nitrogen Input Pressure	0.1-0.2 MPa
Sample Loading Flow Rate	3-100 mL/min (varies with disk/cartridged type and sample properties)
Solvent Ports	8 Channels
Sample Volume	from 100mL up to 4L
Extraction Cup Adapter Cartridges	Compatible with 1, 3, 6, 12 and 20 mL volume
Extraction Disk Holder Adapter	Compatible with 47 mm / 25 mm diameter
Collection Vials	Compatible with 50 mL Concentration Cup MultiVap Line, 40 mL Vial, 50 mL Centrifuge Tube (Falcon)
Operating Environment	Indoor use only, 5-30°C, altitude < 2000 m



BOOST PRODUCTIVITY

Combine up to 4 units to process thousands of samples daily.
Scalable modular design: run **3, 6, 9, or 12** channels in perfect synchronization.

ACCESSORIES THAT MATTER

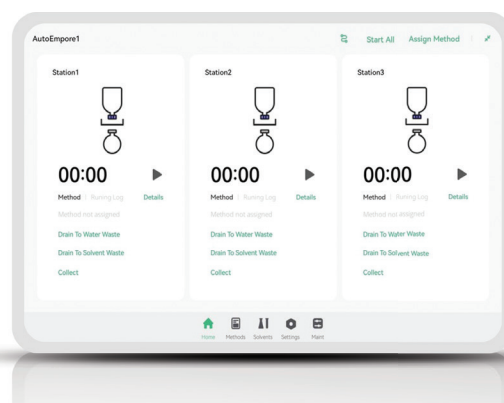
The AutoEmpore system is complemented by a comprehensive range of dedicated accessories designed to enhance versatility and application performance.

- » 25mm Disk Hold Cup
- » 47mm Disk Hold Cup
- » 1 mL Cartridge Adapter
- » 3/6mL Cartridge Adapter
- » 12/20mL Cartridge Adapter
- » PFAS Free Kit (Bottle PP and Adaptor)



ADVANCED SOFTWARE CONTROL

The instrument offers seamless wireless operation via mobile devices, providing full remote control without any interruptions. For added convenience, it can also be operated directly from the intuitive instrument panel, ensuring a user-friendly experience whether on-site or remotely.



- » **Easy method setup:** quickly configure experiments with minimal effort.
- » **Multi-channel control:** manage 3, 6, 9, or 12 channels simultaneously from a single software interface.
- » **Full run control & monitoring:** track and supervise all operations in real time.
- » **Step-by-step program method:** execute complex procedures with guided, stepwise precision.

MAIN APPLICATIONS



FOOD & FEED

- Pesticide
- Food Safety
- Mycotoxin Analysis



ENVIRO

- PFAS Analysis
- EPA 533, 537 & 1633
- VOCs and SemiVocs
- Wastewater



PHARMA

- APIs
- US Pharmacopeia
- Natural Products



PETRO

- Oil and grease
- PAHs
- Naphthenic Acids

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LabTech, your reliable laboratory solution provider.

LabTech is a leading manufacturing company with skill and passion devoted to provide advanced laboratory solutions to the analytical community. We are located in Sorisole, northern Italy, with facilities in USA and China. Incorporated with global branches, LabTech is organized into R&D, production, marketing & sales and customer support. Major LabTech products include organic/inorganic sample preparation systems, laboratory cooling/heating/temperature control equipments, analytical instruments, gas generators, laboratory centrifuges and liquid nitrogen generators. With knowledgeable scientists and experienced engineers, our R&D team has developed and released a series of new lab equipments and instruments dedicated to the modern analytical laboratories. With all of these accomplishments and our endless research and development efforts, we are proud to be your professional partner.



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