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BioLAB BSPE-10 Series Solid Phase Extraction System

Product Information

The Manual Solid Phase Extraction System by Biolab Scientific is designed for the efficient extraction of analytes from samples using solid phase extraction techniques. The system provides precise control over gas, pressure, and flow, ensuring accurate and reproducible results.

Specifications

- **Model:** BSPE-101, BSPE-102, BSPE-103
- **Capacity:** 12, 24, 36 samples
- **Gas Control Mode:** Independent control (BSPE-102)
- **Pressure Display:** Pressure gauge (BSPE-102)
- **Vacuum Value:** -0.098 Mpa (BSPE-102), 3.6 to 4 Mpa
- **Flow Control Valve:** Yes
- **Working Zone Size (mm):** 210x100x138 to 210x140x138
- **Package Size (mm):** 460x200x290 to N/A
- **Gross Weight (kg):** 3.8 to 4

Product Usage Instructions

1. **Setup:** Place the Manual Solid Phase Extraction System on a stable surface with proper ventilation.
2. **Samples Preparation:** Prepare your samples according to the extraction protocol.
3. **Loading Samples:** Load the samples into the sample tubes following the recommended volume and arrangement.
4. **Gas Control:** Set the gas control mode as per your requirements
5. **Pressure Adjustment:** Adjust the pressure using the pressure gauge for the SPE-102 model.
6. **Vacuum Operation:** Apply a vacuum to initiate the extraction process, ensuring the vacuum value is within the specified range.
7. **Flow Control:** Use the flow control valve to regulate the flow during extraction.

MANUAL SOLID PHASE EXTRACTION SYSTEM

The Manual solid phase extraction system is a negative-pressure solid phase extraction device. It uses a solid adsorbent to adsorb the target compound in a liquid sample,

separates it from the sample matrix and interfering compounds, and Then eluates it with an eluent or heats to desorb it to achieve separation, and the Purpose of enrichment of the target compounds (I.e. the separation, purification and enrichment of the sample), the solid phase extraction instrument aims to reduce the interference of the sample matrix and improve the detection sensitivity. Used in Analytical laboratories, Research, HPLC, GC-MS, and HPLC-MS. Also known as liquid–solid extraction.

BSPE-101

BSPE-102

BSPE-103

The whole machine of 12, 24, and 36-well square solid phase extraction instruments is made of transparent organic glass, which has strong corrosion resistance; The wall thickness of the vacuum tank is uniform, so it can withstand high negative pressure above 0.096MPa, and it will not deform after long-term high-pressure use; The pressure is uniform everywhere, the air tightness is good, and the stability is strong;

The extraction speed is consistent, and the control and adjustment are convenient. Multi-channel can be controlled independently, and the joint is corrosion-resistant. The internal test tube rack of the solid phase extraction instrument is made of Polytetrafluoroethylene, so it has high corrosion resistance.

SOLID PHASE EXTRACTION

Good sealing, high consistency, anti-cross pollution and anti-atomization vacuum tank

design. Simple and rapid operation; no phase separation; easy to collect analysis components and process a small sample. It can be equipped with large-capacity collection containers and can process samples in batches or process samples individually.

The vacuum tank is made of extra-hard hard thick PC material, and its wall thickness is uniform, which can withstand high negative pressure above 0.08MPa. The internal test tube racks are made of high polymer materials, which are beautiful and corrosion-resistant, and will not be deformed under high pressure for long-term use. The liquid circuit switch adopts high-quality valves, with each valve having independent control. Durable and easy to operate.

SPECIFICATIONS

- Model BSPE-104
- Sample tube volume 10 mm tube x12, 12 mm tube x12, 15 mm tube x12
- Vacuum value ≤-0.08 Mpa
- Vacuum tank internal dimensions 215x57x140 mm
- Dimension (WxDxH) 280x150x214 mm
- Gross weight(kg) 2.8

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Documents / Resources

	BioLAB BSPE-10 Series Solid Phase Extraction System [pdf] Instruction Manual BSPE-101, BSPE-102, BSPE-103, BSPE-104, BSPE-10 Series Solid Phase Extraction System, BSPE-10 Series, Solid Phase Extraction System, Phase Extraction System, Extraction System, System

References

- User Manual

Biolab

Biolab, BSPE-10 Series, BSPE-10 Series Solid Phase Extraction System, BSPE-101, BSPE-102, BSPE-103, BSPE-104, Extraction System, Phase Extraction System, Solid Phase Extraction System, System

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