

VERSA® 1100 SPE (Solid-Phase Extraction) Automated Liquid Handling Workstation

The VERSA® Solid Phase Extraction (SPE) workstation is designed to streamline and automate SPE protocols, with the capability of processing up to 72 cartridges sequentially.

The VERSA 1100 SPE Workstation offers flexibility in sample throughput by accommodating 1, 3, and 6 mL cartridges, and 96 SPE cartridge plate formats. With 15 deck positions and a variety of dedicated modules, including positive and negative pressure applicators, nitrogen dryer, and a shaker-heater, the system's versatility can be extended to include sample extraction as well as derivatization and reconstitution for further analysis.

Our VERSA SPE Workstation conserves expensive reagents, eliminates volumetric variations caused by manual handling errors, and automates all repetitive pipetting and protocols, streamlining your sample prep and freeing up staff time.



Features

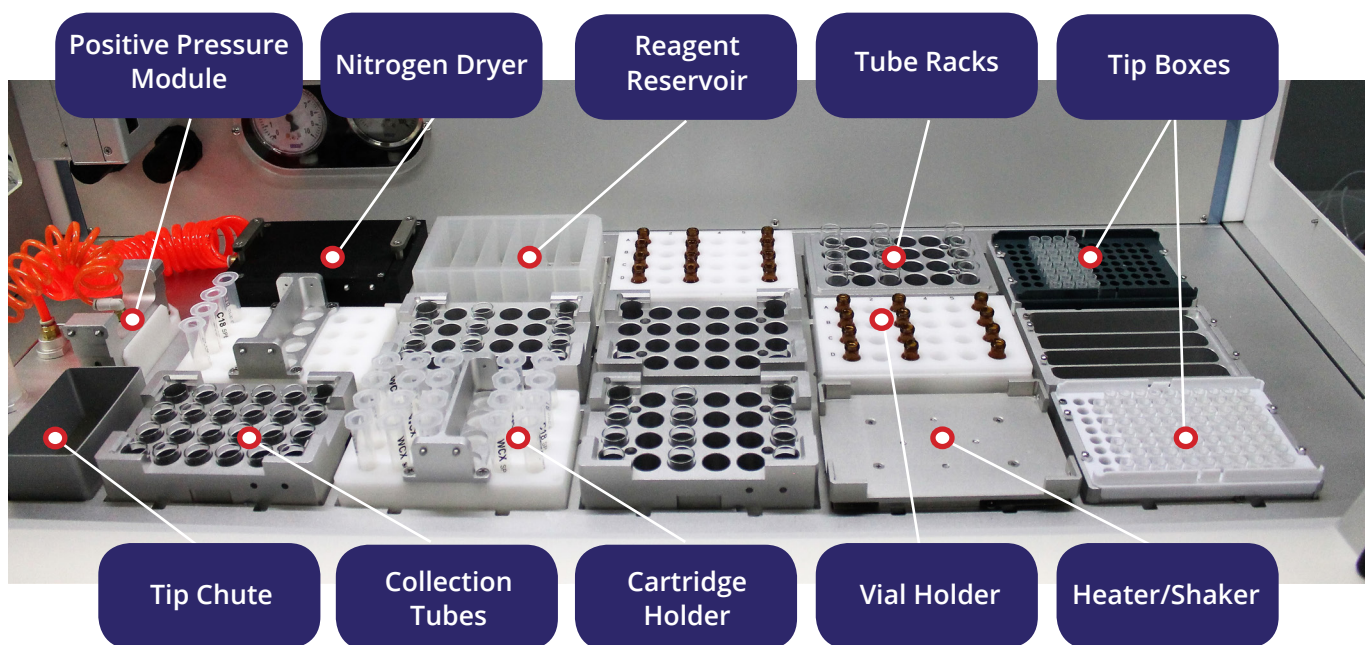
- **4 or 8 channel pipetting head** with single channel functionality offers enhanced versatility in liquid handling
- **5 to 8 channel ReagentDrop** provides dispensing of bulk reagents without disposable pipette tips
- **SPE decks** compatible with 1, 3, and 6 mL cartridges as well as 96-well SPE cartridge plates
- **Gripper** transports modules for on-deck pressure application (positive or negative) and nitrogen drying
- **Shaker-heater** (RT to 90°C) for efficient sample pre-processing and derivatization
- **UV HEPA filtered enclosure** to minimize risk of sample contamination
- **Open system** allows for incorporation of third-party accessories and consumables
- **Liquid-liquid extraction** functionality available

Applications

Clean-up isolation and concentration of biological analytes including:

- Vitamin D from blood/serum samples
- Drugs of abuse in forensic analysis
- Iso-flavonoids from urine samples
- Growth promoters in blood
- Compounds for drug discovery
- Aflatoxins from seafood products
- Semi-Volatile or non-volatile analytes
- Food safety

Sample Deck Layout



Specifications

Volume	1 μL to 1000 μL
Deck Capacity	15 Deck Positions
Pipetting Head (Disposable Tip)	4 or 8 channel syringe pipettor
ReagentDrop	5 to 8 channel ReagentDrop
Supported Cartridges	1, 3 or 6 mL cartridges or 96 SPE cartridge plate
Pressure Module	4-channel positive pressure module and/or vacuum manifold (negative pressure)
Nitrogen Dryer	24 or 96 channels
Shaker-heater (2400rpm, RT to 90°C)	Optional
Accessory Options	<ul style="list-style-type: none"> • HEPA/UV/Fluorescent light enclosure • Reagent cooler block (2-90°C) • Liquid level sensing for Liquid-Liquid Extractions • Other adaptors available
Length x Depth x Height (cm/in)	99 x 75 x 90 (cm) / 38.8 x 29.6 x 35 (in)
Weight	162 kg / 357 lbs