

The EconoTrace Parallel SPE System is designed to streamline your laboratory's workflow and increase productivity by automating the manual steps in your sample preparation process. The EconoTrace Parallel SPE system automates existing manual SPE techniques and replaces older manual Liquid-Liquid Extraction techniques and outdated semi-automated instruments.

The EconoTrace Parallel SPE system is the only SPE system that combines extraction, drying and concentration into one step – providing a truly automated total sample prep solution for the laboratory. Simply load samples onto the EconoTrace Parallel SPE system to trigger the automated extraction process. After loading the sample onto the SPE cartridge at the set flow rate, the drying step is accomplished using Nitrogen. This drying step replaces manual techniques. The analytes of interest are then eluted directly to the SuperVap Concentrator where the concentration process automatically brings the extract to final volume and places it directly into an autosampler vial, ready for final analysis. Automating these processes into one step ensures the highest quality results in the shortest amount of time and eliminates both human error and the possibility of contamination.



*The EconoTrace 3 system runs six samples in parallel and provides direct-to-vial concentration.*

#### **Reduces Errors**

One-step automated SPE and concentration eliminates human error, saves labor costs and reduces solvent usage while increasing your sample throughput.

#### **Fully Automated**

Hyphenates the entire sample prep process—extraction, drying and concentration steps into a one process.

Runs up to eight samples simultaneously.

Automatic sample bottle rinse.

Concentrates samples up to 250 mL directly to a GC vial.

#### **High Speed**

The fastest automated sample processing available for SPE cartridges and columns of all sizes.

Runs up to eight samples simultaneously.

Positive pressure pumping for fast, simultaneous loading of samples.

#### **Versatile**

Handles a wide range of sample sizes and all matrix types.

Sample sizes from 2 mL to 8 L.

Expandable from one to four modules—two samples per module.

#### **Efficient**

Uses all SPE cartridge and column sizes.

Positive pressure pumping for loading samples.

Nitrogen drying.

#### **Compliant**

Complies with existing methods that require positive pressure pumping for the precise delivery of sample and solvents.

Dispenses up to six solvents using an HPLC pump to deliver precise volumes and flow rates for sample loading, conditioning and elution.

#### **Easy Documentation**

Programs and stores an unlimited number of methods and runs on an SD Card.

#### **Easy method transfer**

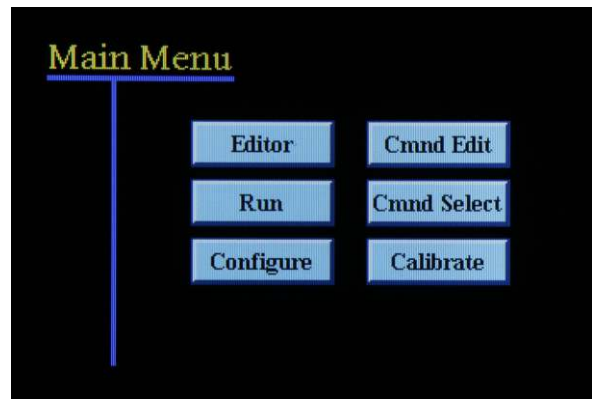
Easy-to-use touch screen.

The EconoTrace Parallel SPE system uses positive pressure pumping for precise and accurate delivery of the sample as well as conditioning, washing and elution solvents. The system is specifically designed to isolate analytes of interest from a wide variety of liquid matrices such as urine, blood, water, milk, beverages. Sample sizes range from 2 mL to 8 L and use the same bottle the sample was collected in. Sample loading rates are programmable. A positive pressure pump is used to load samples onto any SPE cartridge and columns available on the market and it easily handles both clean and tough sample matrices.

The EconoTrace Parallel SPE/SuperVap system concentrates samples up to 250 mL directly to a GC vial. For guaranteed results, especially when dealing with low limits of detection, we recommend using FMS cartridges. Sample Processing Modules can easily be swapped out for service which means your lab will experience zero downtime.



*The EconoTrace System is expandable from one to four modules*



*System control is accomplished via an easy-to-use touch screen.*

*The SuperVap™ Concentrator is where the concentration process automatically brings the extract to final volume in an autosampler vial, ready for final analysis.*



**Automatic time-based or endpoint detection for nitrogen shut off for each vessel**

**Measurements - Concentration / Evaporation vessels in 500 µL, 1 mL, and direct to a GC Vial or to dryness**

## Specifications

### EconoTrace™ Parallel SPE System

Dimensions:	15" W x 18" D x 26" H
Weight:	30lbs.
Gas Requirements:	Nitrogen - 20 PSI minimum
Pump:	Piston Displacement
Flow rate:	0.2 to 15 mL/minute
Electrical Input:	110/220 Volts, 50/60 HZ
Controller:	Integrated Touch Screen Control

### SuperVap™ Concentration System

Dimensions:	12" W x 13" D x 12" H
Weight:	20 lbs.
Gas Requirements:	Nitrogen - 20 PSI minimum
Electrical Input:	110/220 Volts, 50/60 HZ
Controller:	Integrated Touch Screen Control
Bath:	Dry

## Ordering Information

Part Number	Description
EconoTrace / 1	EconoTrace 2 for running 2 samples simultaneously
EconoTrace / 2	EconoTrace 4 for running 4 samples simultaneously
EconoTrace / 3	EconoTrace 6 for running 6 samples simultaneously
EconoTrace / 4	EconoTrace 8 for running 8 samples simultaneously

## Consumables

Part Number	Description
SPE-BT1	SPE Sample Bottle 1L
SPE-BTRC	SPE Sample Bottle Rinse Cap
SPE-ADP-1	SPE 1 mL Cartridge Adapter
SPE-ADP-3	SPE 3 mL Cartridge Adapter
SPE-ADP-6	SPE 6 mL Cartridge Adapter
SPE-ADP-20	SPE 20 mL Cartridge Adapter
SPE -ADP-35	SPE 35 mL Cartridge Adapter
SPE-PRE-20	SPE Pre-filter cartridge
SPE-CAR1-C <sub>18</sub>	SPE Cartridge 1 gram C <sub>18</sub>
SPE-CAR5-C <sub>18</sub>	SPE Cartridge 5 gram C <sub>18</sub>
SPE-CAR1-DVB	SPE Cartridge 1 gram DVB
SPE-CAR5-DVB	SPE Cartridge 5 gram DVB
TFE-TUB-071GR	Teflon Tubing Assembly Flanged any color, 7"
TFE-TUB-091GR	Teflon Tubing Assembly Flanged any color, 9"
TFE-TUB-161GR	Teflon Tubing Assembly Flanged any color, 16"
TFE-TUB-241GR	Teflon Tubing Assembly Flanged any color, 24"
PVAP-TUB-200M	Evaporator Glass Tubes
PVAP-TUB-200M	GC Evaporator Glass Tubes Standard -GC
PVAP-UNI-TF	Teflon GC Vial union