

EXPEC 570 Automatic Solid Phase Extractor

Overview

EXPEC 570 Fully Automatic Solid Phase Extractor, it is an instrument developed for the pretreatment of organic analysis that can automatically run the solid phase extraction method under unattended conditions. Automatically complete the whole process of solid phase extraction (column activation, sample loading, column rinsing, column drying, column elution, etc.), automatically complete functions such as column switching, and realize batch sample processing. Solid phase extraction can be used in various food safety testing, agricultural product residue monitoring, medical and health, environmental protection, commodity inspection, tap water and chemical production laboratories.



Features

- **High throughput automation:**

It can realize six channels to automatically complete the whole process of solid phase extraction (column activation, sample loading, column rinsing, column drying, column elution, etc.), and automatically complete functions such as column switching to realize batch sample processing.

- **Environmental safety:**

The main machine is fully enclosed design, no reagents are directly exposed to the laboratory environment, protecting the safety of operators and avoiding bumps. Neither the sample nor the collection positions are removed from the mainframe while the entire method sequence is running.

- **Strong ability to process samples continuously:**

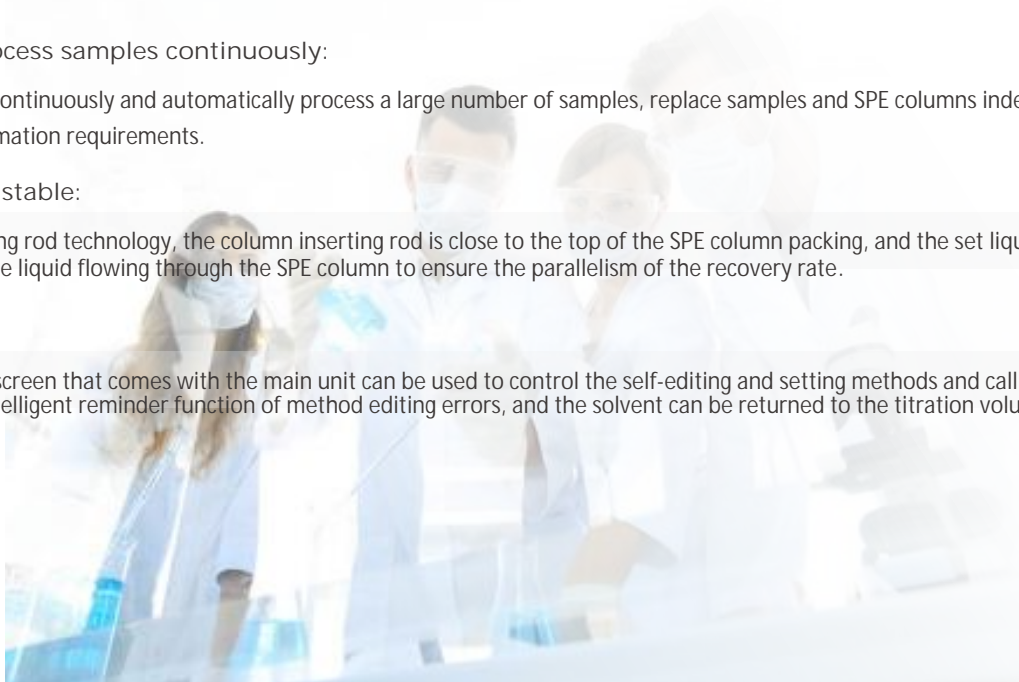
The single machine can continuously and automatically process a large number of samples, replace samples and SPE columns independently, and fully meet the automation requirements.

- **The recovery rate is stable:**

Using the column inserting rod technology, the column inserting rod is close to the top of the SPE column packing, and the set liquid flow rate is the flow rate of the liquid flowing through the SPE column to ensure the parallelism of the recovery rate.

- **Easy to operate:**

The 12-inch large touch screen that comes with the main unit can be used to control the self-editing and setting methods and calling methods, and has the intelligent reminder function of method editing errors, and the solvent can be returned to the titration volume.



Application



Environment

Enrichment of semi-volatile organic compounds in water, purification of soil and sediment -semi-volatile organic compounds, etc.



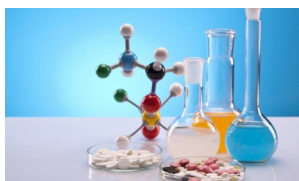
Food

Pre-treatment of pesticide residues/veterinary drug residues/additives/mycotoxins in food.



Traditional Chinese medicine

Pesticide residues in traditional Chinese medicine.



Other

Sample purification in life science, pharmaceutical field, petrochemical industry, etc.

Specifications

EXPEC 570 Fully Automatic Solid Phase Extractor

1	Synchronized SPE channels	6 channels
2	Batch processing	≥60 PCS
3	Applicable SPE column specifications	1/3/6/12/20mL Conventional SPE column, immunoaffinity column
4	Loading sample volume	5L
5	Loading sample precision	± 1%
6	Environmental friendliness	Fully airtight
7	Working environment	Temperature : 15-35 , Humidity : 25%-85%
8	Power supply	Power: single phase 200-230 V, 50/60 Hz
9	Size (mm)	630 × 620 × 700 (L × W × H)

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