

Power-Prep™ GPC

The Power-Prep™ GPC system is a low cost automated Gelpermeation Chromatography system capable of separating synthetic macromolecules such as pesticides, PCBs, PAHs etc. from interfering compounds.

It uses glass or polypropylene columns packed with styrene-divinylbenzene resin beads, and can process from 1 to 30 samples sequentially. The samples are sequentially loaded into the column, then washed and collected in the appropriate fraction vessels. The Power-Prep / GPC™ system greatly simplifies sample cleanup through its unattended operation, increased speed and precision. Options such as different types of columns, a fraction collector, UV detector and a PC allow versatility in a sample type, automatic monitoring, data recording and programmable control over all aspects of the separation procedure.



Features

- Computer control of the entire separation procedure
- Individual programs for different settings of dump, wash and collect times for each sample
- Virtually unlimited program storage capacity.
- Real-time plotting and display of elution profiles
- Automatic documentation of separation data

Principles of operation

The GPC-Prep System can automate sample cleanup procedures specified by the US EPA and FDA methods. The modularity and expansion features of the GPC-Prep allow the user to expand the system for use in other applications such as the separation of Dioxins and PCBs from environmental and biological samples.

The multi-column configuration (SPE option) allows automation of applications which require silica gel, alumina, florisil, C18 columns and other cartridges.

Affordable

The GPC-Prep System fits into the smallest budget. With its modular design, you can cost-effectively automate your sample clean-up procedure by purchasing a 5-sample system and expand it up to 10, 15 or 30 samples as needed.

The GPC-Prep provides major savings in solvents and glassware as compared with the amounts typically required in manual procedures. With FMS's patented prepacked disposable Teflon columns (10 cm ID) the savings become more substantial. Optional upgrades include a PC, UV monitor, fraction collector, SPE module, additional column types, 5-sample expansion modules and a variety of DMS software packages.

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