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PrepLinc Module Unique Features

General PrepLinc System Features

*Able to perform Solid Phase Extraction, Concentration & GPC Cleanup on single system

*Single Windows-based software program to control all modules of PrepLinc system

*Scalable and upgradeable; add more function and capacity as needs grow

*Internal PC option offers complete system control without the need for a desktop PC.

*Power Failure Protection (requires optional UPS) – when power failure occurs, the PrepLinc system will continue processing the current sample and then perform a controlled shut down. If power is restored prior to the end of the current sample, the sequence continues normally. Power loss is noted in the sequence log.

PrepLinc Autosampler (PL9000)

* Septum piercing for sampling from and collecting to sealed vials as a standard feature to prevent evaporation of sample prior to injection or after collection.

* Probe Tracking – Sample probe tracks down as sample is loaded keeping only the minimum probe depth exposed. Sampling occurs at the "top" of the sample and reduces the opportunity for contamination by exposing less of the probe to the sample.

*Programmable/Customizable autosampler mat; User can define customs trays

*Dual-Pump wash station; fully programmable

*Capacity up to 216 samples in a sequence

PrepLinc SPEi Starter Kit (PL9050) and Column Modules (PL9055)

*Adapt to SPE columns from 1mL – 25 mL or up to 1" D x 5" L; not limited to one manufacturer; can accommodate larger sizes with adapters.

*Program multi-column methods: control flow from one column to one or more additional columns of different size/packing

*Positive pressure with programmable flow rates (up to 65 mls/min) for each method step

*Forward and reverse flow on any position

*Elute from SPE column directly to AccuVap for automated concentration

*Introduce sample to SPE column:

-from a vial on the autosampler tray
-from AccuVap chamber (concentrated sample)
-from flow off GPC Cleanup column

*Scaleable – add from 1 to 5 column modules; capacity from 9 to 45 samples

*Program up to 12 different solvents in a method

*Closed loop system with pressure monitoring

PrepLinc AccuVap Modules (PL9200 & PL9220)

*FULLY AUTOMATED concentration system: sample addition (inline from another process or offline from a vial), solvent exchange, final diluents, transfer to vial

*Three heating zones with user defined heating rate and vacuum settings for each zone

*Vacuum control from 100-760 torr

*Ability to add a keeper solution

*Ability to add a pre-evaporation spike

*Adjustable final volume (0.5 to 25 mLs)

*Fully programmable, unlimited number of solvent exchanges

*Concentrate to momentary dryness and automatically reconstitute in final solvent

*Concentrate fractions from multiple columns/devices together as one sample

*Quantitate sample in chamber; transfer to GC vial ready for analysis

*Concentrate elutions from SPE or GPC automatically

*FLX Model (PL9220) gives option to concentrate inline from another process (SPE or GPC) or concentrate samples offline directly from a vial.

*Transfer to vial or to SPE column for further processing

*Full programmable automated heated rinses between samples

*Programmable rinse of the sample vial with rinse added to the chamber to quantitative transfer

*Optional Temperature Probe to monitor actual temperature inside the chamber

PrepLinc GPC Cleanup Module (PL9105)

*Direct Inject – Allows for injection of 100% of the sample (with maximum precision at low volume) as opposed to only ½ of the sample with standard loop overfill technique. Can be set up for Partial loop, exact fill, or loop overfill techniques.

* High Pressure pump with operation up to 2500 psig to accommodate all GPC Cleanup applications, including high-pressure columns.

*Many collect rack options; collect into the vial you will concentrate in or direct collect fraction to optional AccuVap for automated concentration.

* Solvent Addition Feature – Add a programmed volume of solvent to vial for rinsing or sample dilution.

* Power Failure Protection – (requires optional UPS) When power failure occurs, the AccuPrep will continue processing the current sample, and will then perform a controlled shut down. If power is restored prior to the end of the current sample, the system continues normally. Power loss is noted in sequence report.

* UV Detector Options – Save bench space and decrease fluidics flow-path with an internal UV detector. Or, save money by using an existing UV detector externally.

* Column Control – Get greater column flexibility with optional 5-Column Selector Valve or Column Heater Control Module.

*Optional Solvent Level Sensor – Monitors mobile phase level and warns when level is low. Will finish current sample, then “pause” the system until solvent level is restored.

PrepLinc Software

*Linc Editor – combine methods from multiple modules to perform together as one process

*Full featured reports

*Hardware setup Wizards for quick start-up

*Real-time Chromatography viewer

*Create methods directly from GPC Cleanup calibration chromatogram