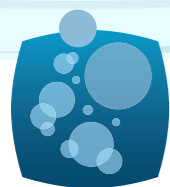


SPEEDY™

SOLID PHASE EXTRACTION
UNDER FULL CONTROL FOR
EACH SAMPLE



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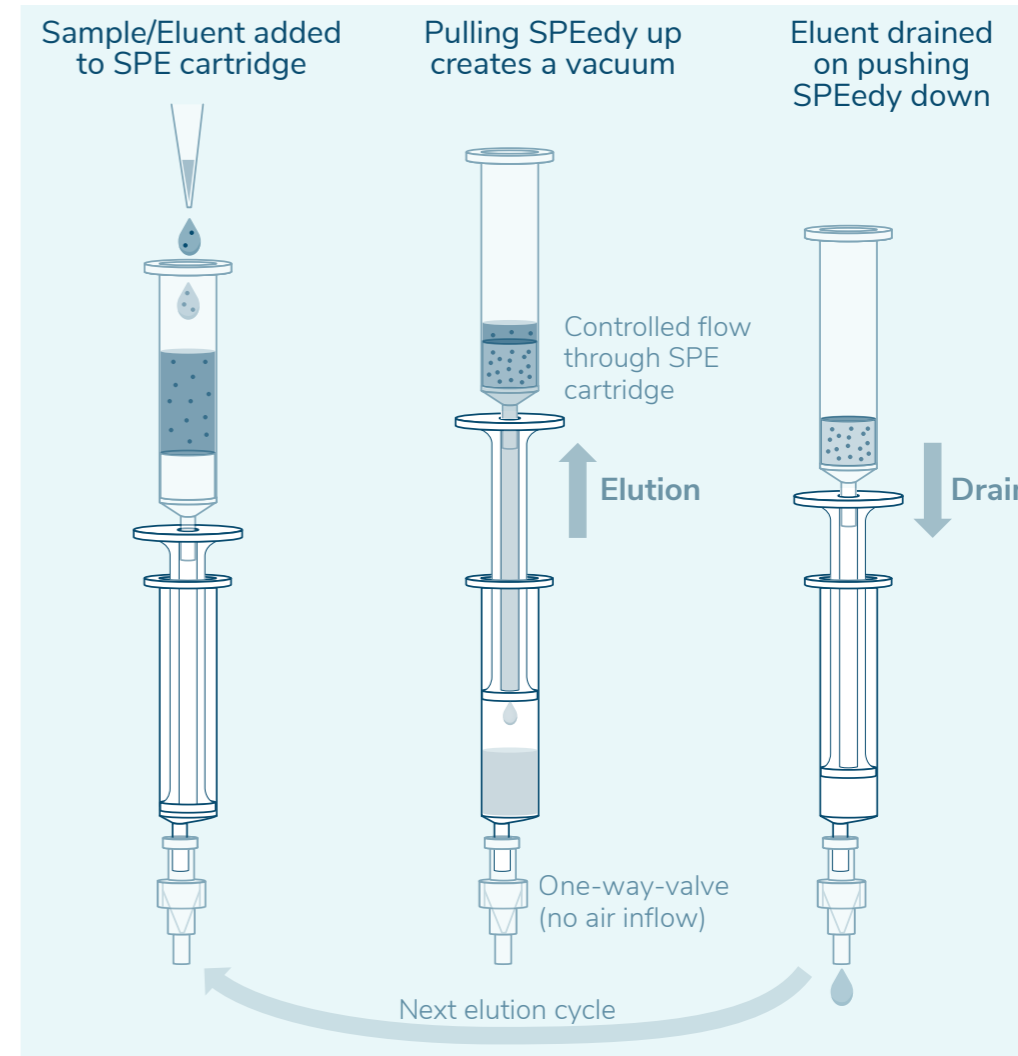
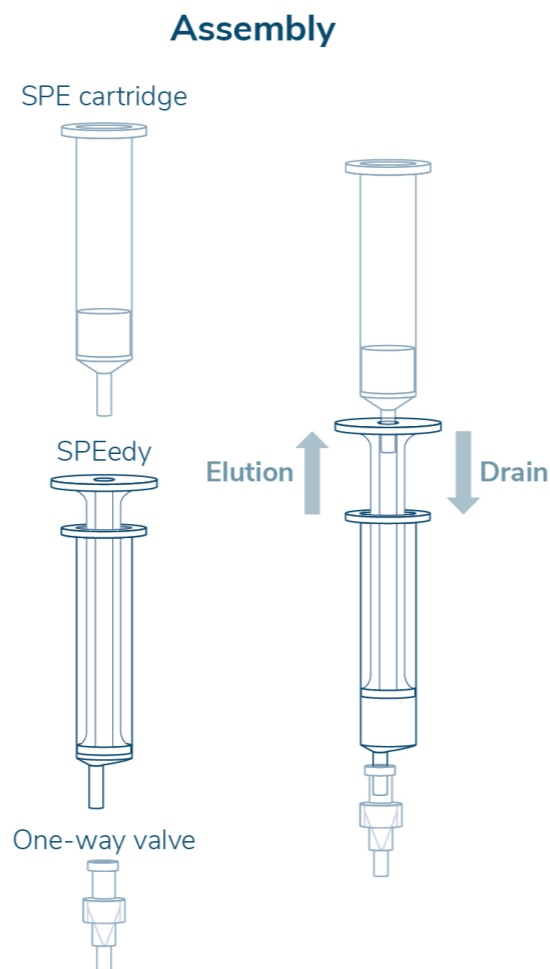


**BIOTECH
FLUIDICS**

Solid Phase Extraction without vacuum tanks and with full flow control

With the SPEedy™ device you get full and easy control of your Solid Phase Extraction process. No more vacuum tanks, no more dried out samples waiting for the neighbour to elute just full and accurate control of each and every sample in your series. With SPEedy™ the movement of the piston alone creates all the driving force needed to have just that stable and accurate flow needed for the optimal catch, wash and release processes.

This is achieved without the need for vacuum supply and delicate vacuum tanks. Handling all samples and eluents without actual vacuum eliminates evaporation of solutions reducing the risk of precipitation etc.



The SPEedy™ process

The simple and straight forward working cycle of SPEedy™ is based on that raising the SPEedy™ piston generates the flow through the SPE cartridge by establishing a vacuum in the barrel. The eluent is first collected within the barrel. By lowering the SPEedy™ piston the eluent portion is ejected from the barrel through the check valve to the receiving vial. Now the SPE cartridge is ready to receive the next portion of eluent in the following work cycle. The

work cycle can be repeated as many times as desired or needed. No external vacuum, no evaporation just fully controlled elution! Elimination the need for external vacuum supply not only reduces risks associated with large volume tanks. Sampling in the field can easily be done by hand without the need for heavy or bulky extra equipment.

EASILY CONTROLLED

Movement of the SPEedy™ piston creates all vacuum needed for creation of the driving vacuum. Re-pressurising during the elution phase ejects the solvent to the collect vial.

FLOW RATE CONTROL

Full flow rate control for each sample providing optimal conditions for effective interaction with stationary phase.

CROSS CONTAMINATION FREE

Each sample has its own flow path with minimum cross contamination risk and is never exposed to external vacuum causing evaporation.

VACUUM TANK ELIMINATED

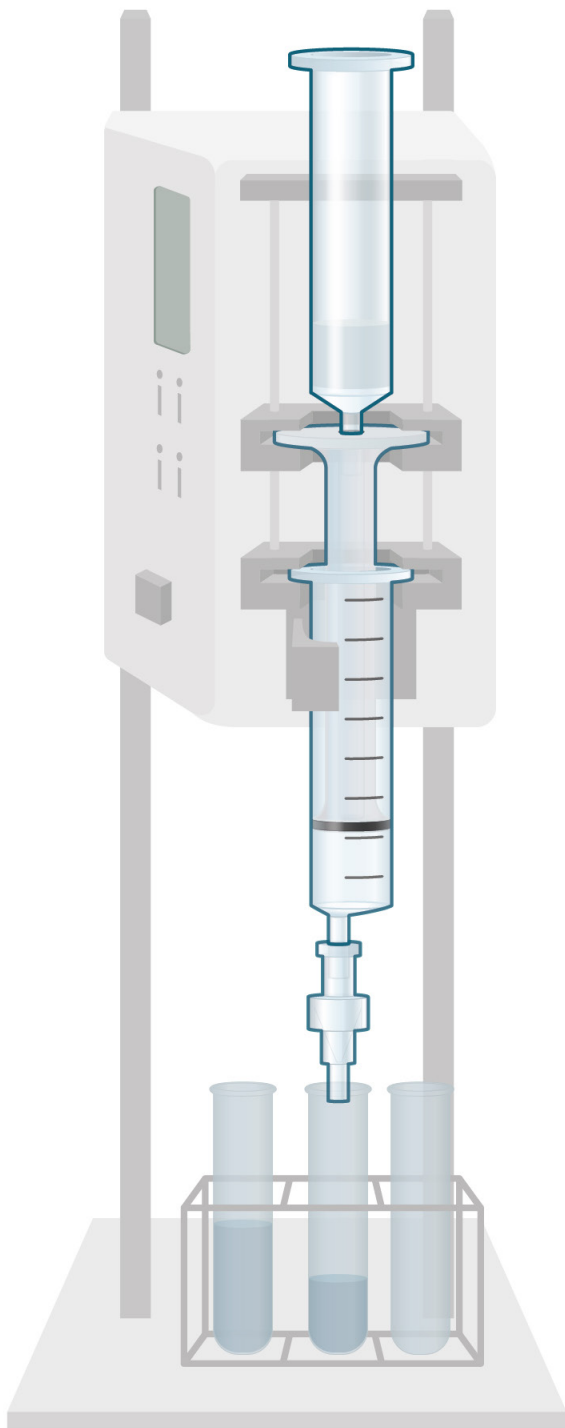
No more need for bulky, work intensive and delicate vacuum tanks when the movement of the SPEedy™ plunger creates all vacuum needed.

Wash and elute with flow rate control

Automation friendly setup

Readily run in parallel or multi parallel mod

Patent protected



TECHNICAL DATA

Motorised SPEedy™ provides the most accurately controlled flow management. This solution will soon be available as a multi parallel setup for use in fully automated systems.

SPEedy™ can easily be adopted to almost any format in terms of volume and working diameter. Please contact Biotech Fluidics with your preferences.

SPEedy™ 10 is currently available in PP with a working volume of 10 mL. Please contact Biotech Fluidics for ordering.

Swedish patent no SE547146.C2 and pending applications.

For ordering and technical support, please contact:



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