



Fotector Series Automated Solid Phase Extraction System

Product Overview

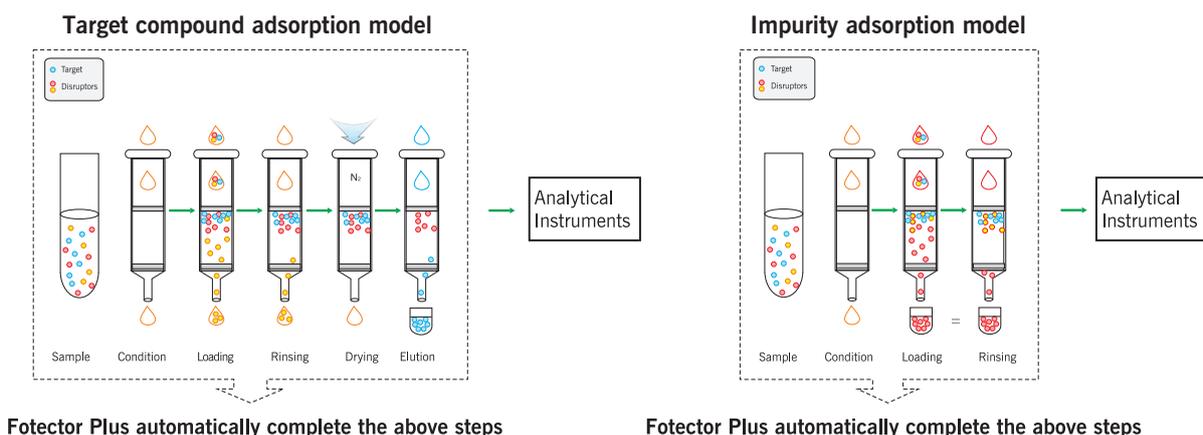
The manual sample preparation process is cumbersome and time-consuming. Due to the unstable flow rate and the different conditions of the column, the accuracy and parallelism of the test results can not be guaranteed, and also the organic reagents in operation are highly toxic and highly permeable, threatening the experimenter's health.

RayKol's Fotector series SPE instruments are designed for fully automatic solid phase extraction application of large-scale sample preparation for testing in modern laboratory. With precise flow rate and repeat operation ensuring the accuracy and parallelism for the testing. The instrument is suitable enough to put into the fume hood to avoid exposing directly to Lab.

Fotector series instruments can be applied for large-scale sample treatment in the inspection of pesticide and veterinary drug residues in food, harmful organic compounds in the environment, poisonous materials in blood and urine etc...

Product Features

The whole process of solid phase extraction is automated



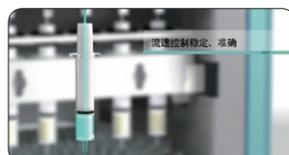
Sample testing parallelism and repeatability is guaranteed

Remote monitoring, safe and healthy

How can we accurately control the flow rate to ensure parallelism?

Our unique designed patented plunger pole is closely attached to the SPE cartridge, no space gap, to make sure the flow rate through the cartridge is not affected by different conditions. High-precision syringe pump is fully sealed and mechanically moved for positive pressure sampling and elution.

Unique designed plunger pole



Flow rate precise and stable



Continuous processing of large batches of samples

·Multi-channels run simultaneously with the same method and condition.

The system operating efficiently and fast

·Synchronous running different Tube Racks independently
·Fast solvent switching through Multi-port valves

Stable and reliable, No cross contamination

·Multi-rail operation design, no cross-contamination caused by round-trip movement.
·The flow system and injection needle are made of special surface-inert materials, can customized set rinsing needle.

Graphical software interface, Remote wireless real-time monitoring

·The entire operating process can be monitoring and automatically generate monitoring logs, which can be recorded and checked.
·The system intelligently judges operating errors and the abnormal samples are handled separately and can be saved.

The system has various modules and a wide range of applications

·Special SPE cartridges are also compatible such as Immune affinity module, which could be applied various types of toxin detection.
·Quickly trail and assemble different loading modules, it can increase to more than 60 water samples continuous processing for environmental testing.
·Different kinds of SPE operating methods can be set for the various complicated sample.



Different batches samples with Multi-method running
Channels can be expanded with online running

Fotector Series

Module	Channels	Sample Tube Rack	collecting Rack	Cartridge
Fotector-02HT	2	20ml*20Holes 60ml*12Holes	20ml*20Holes 60ml*12Holes	1/3/6/12/20ml
Fotector-04HT	4	20ml*40Holes 60ml*24Holes	20ml*40Holes 60ml*24Holes	
Fotector Plus	6	20ml*60Holes 60ml*36Holes	20ml*60Holes 60ml*36Holes	
Fotector-08HT	8	20ml*80Holes 60ml*48Holes	20ml*80Holes 60ml*48Holes	
FS 360	6	15ml*36Holes 50ml*36Holes	15ml*36Holes 50ml*36Holes	

More stable and strong injection pressure

Max pressure more than 0.8MPa

Shorter time

Switching by pump valve,
no mechanical running time

Better sealing

”O”ring sealing avoid leakage

Knowledge Optimized Laboratory



RayKol Group USA

Add: 12516 98th AVE CT NW, Gig Harbor, WA 98329, USA

Tel: 1 253-509-4053

Mail: info@RayKol.us

<http://www.RayKol.us>