

# RESTEK

The Advantage

Innovators of  
High Resolution  
Chromatography  
Products

## SUPERIOR SPE CARTRIDGES

- Activated Florisil, Silica Gel and Alumina cartridges.  
Non-contaminating medical grade polypropylene tubes and polyethylene frits.
- Ultra Pure Stainless Steel frits also available.
- Large volume (10 ml) cartridges available for large samples.
- Attach easily to the Resprep-12T extraction system,

extraction selectivity from lot-to-lot. All cartridges are flow-tested to ensure a rapid, even flow of solvent through the cartridge for fast, efficient extraction every time. The use of these cartridges with our unique all Teflon® Resprep™-12T vacuum manifold system will provide the most reliable,

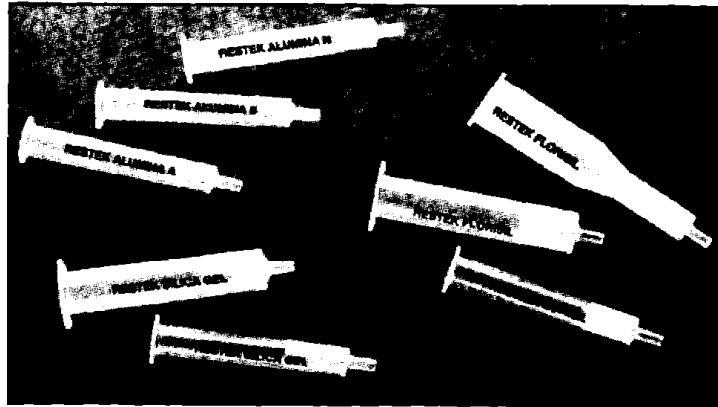
However, with the introduction of these cartridges, the job of sample clean up is much simpler. This fact is evidenced by the growing list of procedures using these materials, especially in official methods recognized by the United States Environmental Protection Agency (USEPA) and Association of Official Analytical Chemists (AOAC).

Restek now offers Florisil, Silica Gel, and Alumina solid phase extraction cartridges for use in EPA Methods 3620A, 3630B, 3610A, and 3611A. Restek's extraction cartridges are made of ultra-clean medical grade polypropylene tubes and polyethylene frits that are quality control tested for purity and cleanliness prior to packing with sorbent. Stainless steel frits are also available for those analyses that require ultra purity. **Large volume tubes (10ml) are ideal** when sample or rinse volumes are greater than the volume that can be held by standard SPE cartridges. This eliminates the need for multiple transfers of the sample. All sorbents are thoroughly quality control tested to ensure reproducible

efficient and contamination-free extractions available.

### BACKGROUND

Silica Gel, Alumina and Florisil® have been used for many years in chemical laboratories because of their ability to adsorb a variety of compounds. They were popular long before the advent of convenient pre-packed disposable cartridges such as those used for solid phase extraction (SPE).



**FLORISIL** (magnesium silicon oxide,  $Mg_2SiO_3$ ) is a highly active, polar sorbent. Because of its slightly basic surface, it is good for the adsorption of low to moderately polar species in either an aqueous or non-aqueous matrix. Florisil has been used to determine the amount of insecticides in grain, aflatoxins in animal feed, fungicides in waste water and flavor compounds in milk.

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