



Table I: Resprep"-C8 glass fiber disks meet recovery and reproducibility requirements stated in Method 549.1

Accuracy and Precision Data from Four Determinations of Method 549.1 Analytes (Paraquat and Diquat) using Resprep"-C8 Disk Extraction and Ion-Pair HPLC Analysis with UV Detection.

	Paraquat	Diquat
Sample#1	95.5	88.6
Sample	97.0	89.7
Sample #3	98.4	89.2
Sample #4	93.9	85.5
Average	96.2	88.3
% RSD	1.8	1.9

Concentration -200ug/L Of each analyte

extraction times and lower extraction disk costs.

Method Equivalences

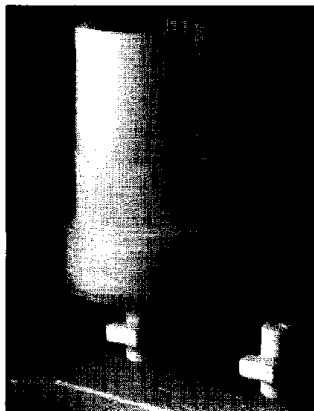
The EPA has given approval for the use of extraction disks that are chemically equal and meet the QC criteria. The Resprep"-C8 disk and the PTFE disk both contain CS bonded silica and are considered chemically similar. To demonstrate equivalency, the analyst must show that the recovery of the compounds is within the limits established in the method. Since recovery data is required with any disk, whether specified in the method or not, no extra work is involved.

Lower Extraction Costs

In addition to faster extraction times and the elimination of Filter Aid 400, Resprep"-C8 disks cost less than PTFE disks, resulting in savings every time your lab does an extraction. Reduce costs even further with Restek's Resprep"-6D extraction system that processes up to six samples simultaneously.

Further studies of EPA Method Method 549.1 Restek is currently subcontracting a study of Method 549.1 to environmental laboratories to increase our data base on the effectiveness of glass fiber disks compared to PTFE membrane disks. If your laboratory is interested in participating in this study, please call our technical service department at 1-800-356-1688, ext. 4, and ask for more details.

EPA methods are available from NTIS (National Technical Information Service), U.S. Department of Commerce, Springfield, VA, 22161, 703-487-4650.



Diskcover"-47 Reservoir

Resprep"-C8 SPE Disks: cat.# 24048 24-pack

Diskcover"-47 Disk Holders: cat.#24020 each
cat.#24021 6-pack

Diskcover"-47 Reservoir: cat.#24029 each
conjunction with
Diskcover"-47.
si
cat.# 24030 6-pack

Resprep"-6D Vacuum Extraction System for

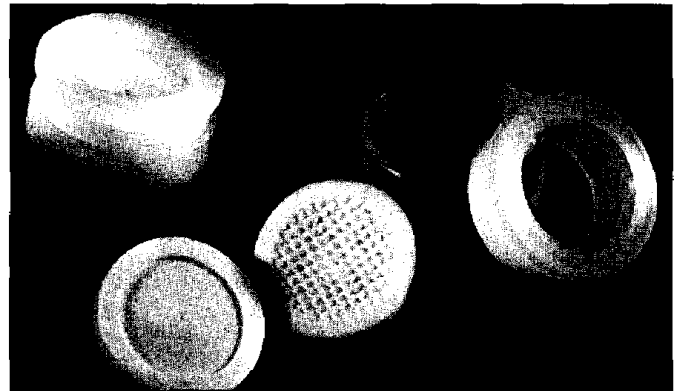
Diskcover"-47 Disk Holders: cat.# 24000 kit

(Kit includes: propylene top with six sturdy, Teflon flow regulated valves, 1/16" Teflon tubing, glass block with built-in vacuum regulator and scratch resistant polypropylene base, six Diskcover"-47 sample extraction disk holders, six pieces of 1/8" Teflon tubing with male Luer to 1/8" tubing adaptor, multi purpose sample holding rack, and convenient valve turning tool.)

Resprep"-6D Extraction

Top Retrofit Kit: cat.# 24019 kit

(Kit includes; propylene top with six sturdy, Teflon flow regulation valves, 1/16" Teflon tubing, and convenient valve turning tool.)



Diskcover"-47 Extraction Disk Holders

For more details on the EPA Method 549.1 extraction procedure, call your local distributor and request the Paraquat/Diquat Application note.

Also available: Application notes on the C18 glass fiber disk showing data on EPA Method 525.1, PAHs, and PCBs.