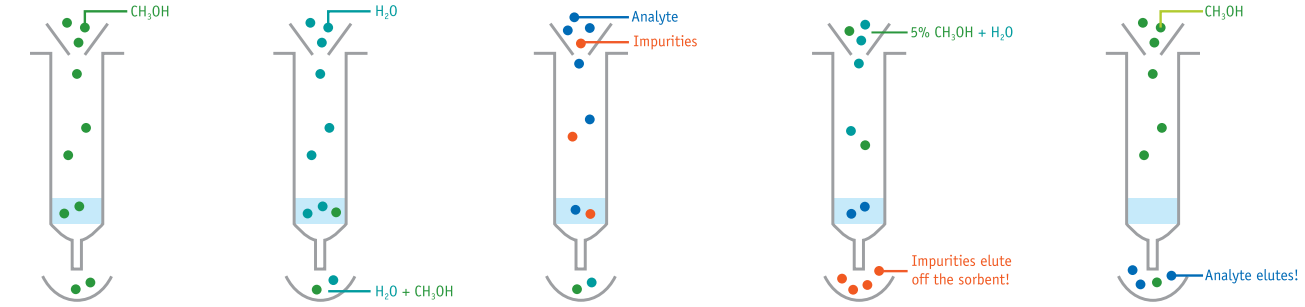
strata™-X patent pending

X-SPEct more

Optimize your strata-X method!

The strata-X method for general screening:

(Volumes shown are for 30mg sorbent mass)



1. CONDITION
with 1mL methanol

2. EQUILIBRATE
with 1mL D.I. water

3. LOAD SAMPLE

4. WASH IMPURITIES
with 1mL 5% methanol in D.I water and dry 30 sec. at full vacuum

5. ELUTE ANALYTE
with 1mL methanol

The versatility and ruggedness of the patent pending, polymeric strata-X sorbent allows for optimization steps that lead to more robust methods tailored to your sample preparation goals.

Suggested Optimization Steps

For better clean-up and to elute stubborn, strongly retained analytes,
be more aggressive in the wash step and increase the strength of the elution solvents.

	Polar Compounds	Acidic Compounds	Basic Compounds
1. CONDITION:	methanol	methanol	methanol
2. EQUILIBRATE:	D.I. water	D.I. water	D.I. water
3. LOAD:	Sample	Sample	Sample
4. WASH:	10-20% acetonitrile or methanol in water	2% acetic acid in methanol/water (5:95)	2% ammonium hydroxide in methanol/water (5:95)
5. ELUTE:	methanol/acetonitrile/water/acid (60:30:10:0.1)	2% ammonium hydroxide in methanol/water (50:50)	2% acetic acid in methanol/water (50:50)

Optimal Elution Flow Rate **Do not exceed 1-2mL/min!**

A significant benefit of polymeric sorbents is that the larger surface area allows the use of smaller sorbent bed masses. It is crucial for optimal kinetics of analyte desorption that the flow rate does not exceed 1-2mL/min during the elution of the analyte. Fast flow rates can lead to low recoveries. In addition, it is recommended that the elution solvent be allowed to soak into the sorbent for 30 seconds prior to applying vacuum.

Contact your technical consultant for more application tips, the strata-X brochure or your FREE SAMPLE of Strata or strata-X SPE tubes!

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