

CarboPrep™ SPE Cartridges

- Improved recovery of sulfonyleurea herbicides, phenols, carbamates, and triazine herbicides, compared to C18 and C8 cartridges.
- Wide range of selectivity for both analytes and their metabolites or degradation products.
- Rapid sampling flow rates; uncompromised recoveries.
- Maximum capacity for contaminant cleanup.
- Controlled manufacturing improves cleanliness and ensures reproducible performance.

CarboPrep™ cartridges are manufactured from chromatographic-grade, nonporous, graphitized carbon. Our manufacturing process minimizes variability and improves recovery and cleanup procedures. We offer two types of carbons: CarboPrep™ 90 has a surface area of approximately 90m²/g, CarboPrep™ 200 has a surface area of 200m²/g. Both have higher capacity than silica-based packings for a variety of compounds.

CarboPrep™ cartridges can be used for both sample extraction of organic compounds and extract cleanup of matrix interferences.

| SPE Cartridge | Tube Volume, Bed Weight | qty. | cat# |
|----------------|----------------------------|--------|-------|
| CarboPrep™ 90 | 3mL, 250mg | 50-pk. | 26091 |
| CarboPrep™ 90 | 6mL, 500mg | 30-pk. | 26092 |
| CarboPrep™ 200 | 3mL, 250mg | 50-pk. | 26088 |
| CarboPrep™ 200 | 6mL, 500mg | 30-pk. | 26087 |

CarboPrep™ Reversing SPE Cartridges

- High adsorbent capacity (surface area ~ 200m²/g) for large volume sampling.
- Chromatographic grade graphitized carbon provides consistent and quantitative recoveries of a wide variety of semivolatiles, pesticides and herbicides.
- 500mg bed weight (100mg and 900mg bed weights available on request).

Reversing cartridge design allows convenient inverted elution of strongly retained analytes using minimum solvent volumes. Ideal design for extraction of pesticides in water.¹

| SPE Cartridge | Bed Weight | qty. | cat# |
|------------------------------------|------------|--------|-------|
| CarboPrep™ 200 Reversing Cartridge | 500mg | 30-pk. | 26206 |

¹Crescenzi, C.; DiCorcia, A.; Guerriero, E.; and Saperi, R. "Development of a Multi-residue Method for Analyzing Pesticide Traces in Water Based on Solid-Phase Extraction and Electro-spray Liquid Chromatography Mass Spectrometry", *Environmental Science & Technology* vol.31, no. 2 (1997) 479-488.

Closed End SPE Cartridge: Activated Sodium Sulfate

- High quality anhydrous sodium sulfate.
- Approximately 1gram prepackaged in a convenient capped cartridge with both male and female luer ends for easy connection to a variety of devices or equipment.
- The adsorbent is fully activated and ready to use for removal of excess water from small volumes of organic solvent solutions, prior to many types of analysis.
- Capped cartridges will remain active for long periods of storage in the lab.

| SPE Cartridge | Bed Weight | qty. | cat# |
|--------------------------|------------|--------|-------|
| Activated Sodium Sulfate | 1000mg | 50-pk. | 26207 |

for **more info**

For cartridge components, see **page 373**.

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please **note**

If you need a custom SPE cartridge, contact our Technical Service chemists or your Restek representative.

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