

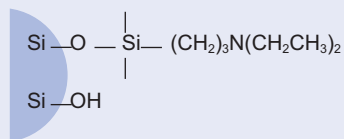
# Ion Exchange SPE

## VertiPak™ DEA

- VertiPak™ DEA (Diethylaminopropyl) SPE is dual purpose sorbent that can act both as a weak anion exchanger and polar phase
- As a weak anion exchanger, DEA bears some resemblance to NH<sub>2</sub> in its properties. It has slightly lower capacity as an anion exchange sorbent, and a more non-polar character due to the additional carbon chain on the functional group
- As a polar sorbent, the carbon chains make DEA a medium polarity sorbent, even with the presence of the main functionality
- DEA is somewhat more polar than C8, but less polar than C2 or CN
- Typical applications include water, biological fluids, non-polar extracts.
- Tube format is available in 7 tube sizes
- Cartridge format is available in 300mg, 600mg and 900mg size
- Tubes or cartridges are packaged in zip sealing bag protective from moisture and light
- Includes Certificate of Analysis



### Chemical structure



VertiPak™ DEA (Diethylaminopropyl) silane, covalently bonded to the surface of a silica particle.

### Specifications

Phase	DEA (Diethylaminopropyl)
Base	Irregular-shaped Silica
Particle Size (µm)	50
Pore Size (Å)	60
Surface Area (m <sup>2</sup> /g)	500
Carbon Load (%)	7
Bonding	Trifunctional
Capacity (meq/g)	1.0
Endcap	No
pH Stability	2-9

### Ordering Information

Bed Weight	Tube Size	QTY	Part No.
<b>VertiPak™ DEA SPE Tubes</b>			
50mg	1mL	100	0105-0236
50mg	3mL	50	0105-0245
100mg	1mL	100	0105-0336
100mg	3mL	50	0105-0345
100mg	10mL	30	0105-0364
200mg	3mL	50	0105-0445
200mg	10mL	30	0105-0464
500mg	3mL	50	0105-0645
500mg	6mL	30	0105-0654
500mg	10mL	30	0105-0664
1,000mg	6mL	30	0105-0954
2,000mg	12mL	30	0105-1074
5,000mg	25mL	20	0105-12A2
5,000mg	35mL	20	0105-1282
10,000mg	60mL	16	0105-1391
<b>VertiPak™ DEA SPE Cartridges</b>			
300mg		25	0105-0503
300mg		50	0105-0505
300mg		100	0105-0506
600mg		25	0105-0713
600mg		50	0105-0715
600mg		100	0105-0716
900mg		25	0105-0823
900mg		50	0105-0825
900mg		100	0105-0826