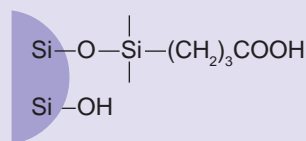


# Ion Exchange SPE

## VertiPak™ CBA

- VertiPak™ CBA SPE is medium polar weak cation-exchanger that can exhibit weak cation-exchange primary interaction and polar or non-polar secondary interaction.
- Exhibits as the mixed-mode sorbent for basic polar compounds from aqueous matrix without base modifiers.
- Typical applications include positively charged basic compounds e.g. amino acids in urine, angiotensins in plasma, Vasopressin in urine.
- Tube format is available in 7 tube sizes.
- Cartridge format is available in 300mg and 600mg size.
- Tubes or cartridges are packaged in zip sealing bag protective from moisture and light.
- Includes a Performance report including the QC results, lot chromatogram and lot recovery test.

### Chemical structure



Chemical structure of CBA (Carboxylic acid) silane, covalently bonded to the surface of a silica particle.

### Specifications

Phase	CBA (Carboxylic acid)
Base	Irregular-shaped Silica
Particle Size (µm) <sup>1</sup>	45-65
Pore Size (Å) <sup>2</sup>	60-80
Surface Area (m <sup>2</sup> /g)	450-550
Carbon Load (%)	7
Capacity (meq/g)	0.3
Endcap	No
pH Stability	2-9

### VertiPak™ CBA Tubes

Bed Weight	Tube Size	QTY	Part No.
50mg	1mL	100	0137-0236
50mg	3mL	50	0137-0245
100mg	1mL	100	0137-0336
100mg	3mL	50	0137-0345
100mg	10mL	30	0137-0364
200mg	3mL	50	0137-0445
200mg	10mL	30	0137-0464
500mg	3mL	50	0137-0645
500mg	6mL	30	0137-0654
500mg	10mL	30	0137-0664
1,000mg	6mL	30	0137-0954
2,000mg	12mL	30	0137-1074
5,000mg	35mL	20	0137-1282
10,000mg	60mL	16	0137-1391

### VertiPak™ CBA Cartridges

Bed Weight	QTY	Part No.
300mg	25	0137-0503
300mg	50	0137-0505
300mg	100	0137-0506
600mg	25	0137-0703
600mg	50	0137-0705
600mg	100	0137-0706



<sup>1,2</sup> VertiPak™ CBA-LP with particle size of 60-120µm and pore size of 120-140 Å are available upon request.