

Alltech® Adsorbosphere™ Columns

- Reliable performance from rugged, reproducible phases



High temperature bonding for exceptional surface coverage, stability, and reproducibility. Adsorbosphere™ columns are the workhorses of any chromatography lab. Choose from four varieties:



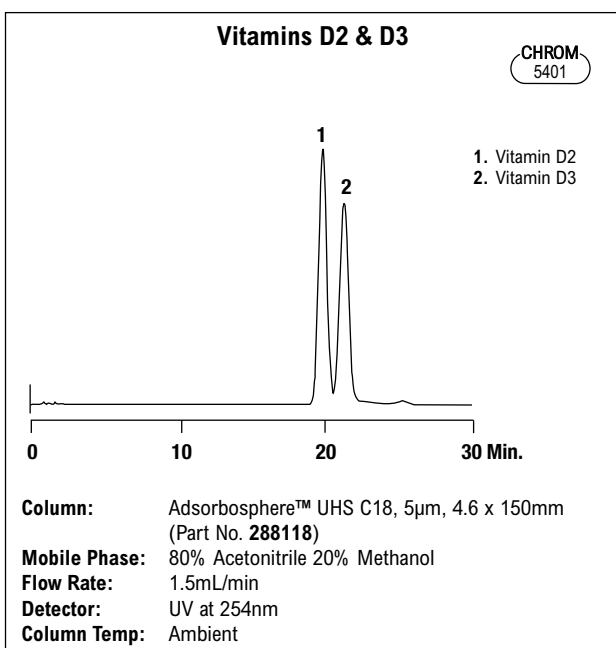
Adsorbosphere™ has a moderate carbon load for common applications.

Adsorbosphere™ HS has a larger surface area and higher carbon load for stronger retention of hydrophobic compounds.

Adsorbosphere™ UHS has the largest surface area and highest carbon load for the highest resolution of hydrophobic compounds.

Adsorbosphere™ XL is a lower-cost, larger pore alternative. C18-B separates strongly basic analytes more efficiently than standard C18.

Adsorbosphere™ Phase Specifications									
Phase	Base Material	Particle Shape	Particle Size	Pore Size	Surface Area	Carbon Load	Phase Type	Endcapped?	USP L-code
Adsorbosphere™ C18	Silica	Spherical	3, 5, 10µm	80Å	200m ² /g	12%	Monomeric	Yes	L1
Adsorbosphere™ C18 HS	Silica	Spherical	3, 5µm	60Å	350m ² /g	20%	Monomeric	Yes	L1
Adsorbosphere™ C18 UHS	Silica	Spherical	5, 10µm	60Å	500m ² /g	30%	Monomeric	Yes	L1
Adsorbosphere™ C8	Silica	Spherical	5µm	80Å	200m ² /g	8%	Monomeric	Yes	L7
Adsorbosphere™ Phenyl	Silica	Spherical	5µm	80Å	200m ² /g	5%	Monomeric	Yes	L11
Adsorbosphere™ Cyano	Silica	Spherical	5µm	80Å	200m ² /g	—	Monomeric	Yes	L10
Adsorbosphere™ Cyano-AQ	Silica	Spherical	5µm	120Å	170m ² /g	—	Polymeric	No	L10
Adsorbosphere™ Amino (NH ₂)	Silica	Spherical	3, 5µm	80Å	200m ² /g	—	Polymeric	No	L8
Adsorbosphere™ Silica	Silica	Spherical	5µm	80Å	200m ² /g	—	—	—	L3
Adsorbosphere™ SAX	Silica	Spherical	5µm	80Å	200m ² /g	—	Monomeric	—	—
Adsorbosphere™ SCX	Silica	Spherical	5µm	80Å	200m ² /g	—	Monomeric	Yes	—
Adsorbosphere™ XL C18	Silica	Spherical	3, 5µm	90Å	200m ² /g	11%	Monomeric	Yes	L1
Adsorbosphere™ XL C18-B	Silica	Spherical	5µm	90Å	200m ² /g	12%	Monomeric	Yes	L1
Adsorbosphere™ XL C8	Silica	Spherical	3, 5µm	90Å	200m ² /g	6%	Monomeric	Yes	L7
Adsorbosphere™ XL C1 (TMS)	Silica	Spherical	5µm	90Å	200m ² /g	—	Monomeric	Yes	L13
Adsorbosphere™ XL Silica	Silica	Spherical	5µm	90Å	200m ² /g	—	—	—	L3
Adsorbosphere™ XL SAX	Silica	Spherical	5, 10µm	90Å	200m ² /g	—	Monomeric	Yes	—
Adsorbosphere™ XL SCX	Silica	Spherical	5, 10µm	90Å	200m ² /g	—	Monomeric	Yes	—



Adsorbosphere™ HPLC Columns

Packing	Format	i.d. x Length	Standard Part No.	Waters® Fittings Part No.
C18, 3µm	Analytical	4.6 x 100mm	287092	287093
	Rocket™	7 x 33mm	50623	—
	Rocket™	7 x 53mm	50625	—
C18, 5µm	Analytical	4.6 x 150mm	287072	287073
	Analytical	4.6 x 250mm	287062	287063
C18, 10µm	Analytical	4.6 x 250mm	287052	287053
	C8, 5µm	Analytical	4.6 x 150mm	287122
Phenyl, 5µm		Analytical	4.6 x 250mm	287112
	Cyano, 5µm	Analytical	4.6 x 150mm	287532
Cyano-AQ, 5µm		Analytical	4.6 x 150mm	287542
	Amino, 3µm	Analytical	4.6 x 150mm	287202
Amino, 5µm		Analytical	4.6 x 250mm	50005
	Silica, 5µm	Analytical	4.6 x 150mm	500050
SAX, 5µm		Analytical	4.6 x 150mm	287282
	SCX, 5µm	Analytical	4.6 x 250mm	287242
SCX, 5µm		Analytical	4.6 x 250mm	287012
	SCX, 5µm	Analytical	4.6 x 250mm	287512
SCX, 5µm		Analytical	4.6 x 250mm	287472

Adsorbosphere™ HS HPLC Columns

Packing	Format	i.d. x Length	Standard Part No.	Waters® Fittings Part No.
C18 HS, 3µm	Analytical	4.6 x 100mm	28780	28781
	Analytical	4.6 x 150mm	28786	28787
C18 HS, 5µm	Analytical	4.6 x 150mm	28817	28818
	Analytical	4.6 x 250mm	28821	28822