

## VertiPlate™ HPTLC Bonded-Silica

- High performance plates provide high resolution and faster Separations in less than 5min
- 5µm High Purity Silica Gel
- Thinner layer optimized for nanolitre samples
- Smooth adsorbent surface, ideal for noise free HPTLC scanning
- Adsorbent available in reversed phase, cyano and amino bonded-silica
- Prescored formats are available

VertiPlate™ HPTLC plates with bonded-silica are available with Hard-layer organic binder. Organic binder has little effect on the separation characteristics of the sorbent but most durable silica gel plates. These plates allow use of 80% water in the solvent system. They are used to avoid the problems of binder interference but cannot be used for visualization.

VertiPlate™ HPTLC plates with reversed phase bonded-silica are 3 types: C18, C8 and C2. They are used to separated both polar and non-polar compounds by adjusting the solvent system.

VertiPlate™ HPTLC plates with cyano bonded-silica are moderately polar for both normal and reversed phase systems.

VertiPlate™ HPTLC plates with amino bonded-silica are weak basic anion exchange characteristics with special selectivity for charged compounds.

Prescored plates are an economical alternative to having many different size plates. Prescored 20x20cm plate has 3 score marks 5cm apart. Plates can be easily snapped apart to provide four 5x20cm plates. Prescored 10x20cm plate provides eight 2.5x10cm plates.



Specifications	
Base	Silica, 5-8µm particle size, 60Å pore size
Bonded group	C18, C8, C2, NH2, CN
Binder	Hard-layer organic binder
Indicator	Fluorescent at 254nm
Layer Thickness	150µm
Plate size	20x20cm, 10x20cm, 10x10cm
Prescored	10x10cm plate to four 5x5cm plates. 10x20cm plate to eight 2.5x10cm plates.

Ordering Information		
Description	QTY	Part No.
<b>VertiPlate™ HPTLC Reversed Phase</b>		
HPS-C18-HL, 20x20cm	25	08M0-0165
HPS-C18-HL, 10x20cm	25	08M0-0155
HPS-C18-HL, 10x10cm	25	08M0-0145
HPS-C18-HL, PS, 10x20cm	25	08M0-1155
HPS-C18-HL, F254, 20x20cm	25	08M1-0165
HPS-C18-HL, F254, 10x20cm	25	08M1-0155
HPS-C18-HL, F254, 10x10cm	25	08M1-0145
HPS-C18-HL, F254, PS, 10x20cm	25	08M1-1155
HPS-C8-HL, F254, 20x20cm	25	08N1-0165
HPS-C8-HL, F254, 10x20cm	25	08N1-0155
HPS-C8-HL, F254, 10x10cm	25	08N1-0145
HPS-C8-HL, F254, PS, 10x20cm	25	08N1-1155
HPS-C2-HL, F254, 20x20cm	25	08P1-0165
HPS-C2-HL, F254, 10x20cm	25	08P1-0155
HPS-C2-HL, F254, 10x10cm	25	08P1-0145
HPS-C2-HL, F254, PS, 10x20cm	25	08P1-1155
<b>VertiPlate™ HPTLC Amino (NH2)</b>		
HPS-NH2-HL, F254, 20x20cm	25	08Q1-0165
HPS-NH2-HL, F254, 10x20cm	25	08Q1-0155
HPS-NH2-HL, F254, 10x10cm	25	08Q1-0145
HPS-NH2-HL, F254, PS, 10x20cm	25	08Q1-1155
<b>VertiPlate™ HPTLC Cyano (CN)</b>		
HPS-CN-HL, F254, 20x20cm	25	08R1-0165
HPS-CN-HL, F254, 10x20cm	25	08R1-0155
HPS-CN-HL, F254, 10x10cm	25	08R1-0145
HPS-CN-HL, F254, PS, 10x20cm	25	08R1-1155

HPS	Silica, 5-8µm particle size, 60Å pore size
HL	Organic Hard-layer binder
F254	Fluorescent Indicator UV254
C18	Octadecyl Bonded-silica gel
C8	Octyl Bonded-silica gel
C2	Ethyl Bonded-silica gel
NH2	Aminopropyl Bonded-silica gel
CN	Cyanopropyl Bonded-silica gel
PS	Prescored

TLC