

VertiPlate™ HPTLC

VertiPlate™ HPTLC Unbonded-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
- Plate formats are available as Prescored and Preadsorbent

VertiPlate™ HPTLC plates with unbonded-silica are available with Organic Hard-layer binder and Inorganic hard-layer binder.

HPS-HL, Organic Hard-layer binder HPTLC plates have 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.

HPS-GH, Inorganic Hard-layer binder HPTLC plates have little effect on the separation characteristics of the sorbent but it does make the layer hard and abrasive resistant. These plates allow use of 100% water in the solvent system. They are used when strong acid charring is used for visualization or when the presence of an organic binder interacts with the solvent system.

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.

Preadsorbent plates have a nonadsorbent layer at the bottom of the plate. This band of inert material reshapes and concentrates the spots into narrow bands which improve separation. It allows the loading of large volumes of sample without loss of resolution.

Specifications	
Base	Silica, 5-8µm particle size, 60Å pore size
Binder	Organic Hard-layer Inorganic Hard-layer plus Gypsum binder
Indicator	Fluorescent at 254nm
Layer Thickness	150µm
Plate size	20x20cm, 10x20cm, x10cm
Prescored	10x10cm plate to four 2.5x10cm plates. 10x20cm plate to eight 2.5x10cm plates.
Preadsorbent	inert material on 1.5cm band bottom edge

Ordering Information		
Description	QTY	Part No.
VertiPlate™ HPTLC, Organic Hard-layer		
HPS-HL, 20x20cm	25	08K0-0165
HPS-HL, 10x20cm	25	08K0-0155
HPS-HL, 10x10cm	25	08K0-0145
HPS-HL, PS, 10x20cm	25	08K0-1155
HPS-HL, PS, 10x10cm	25	08K0-1145
HPS-HL, PA, 20x20cm	25	08K0-2165
HPS-HL, PA, 10x20cm	25	08K0-2155
HPS-HL, PA, 10x10cm	25	08K0-2145
HPS-HL, F254, 20x20cm	25	08K1-0165
HPS-HL, F254, 10x20cm	25	08K1-0155
HPS-HL, F254, 10x10cm	25	08K1-0145
HPS-HL, F254, PS, 10x20cm	25	08K1-1155
HPS-HL, F254, PS, 10x10cm	25	08K1-1145
HPS-HL, F254, PA, 20x20cm	25	08K1-2165
HPS-HL, F254, PA, 10x20cm	25	08K1-2155
HPS-HL, F254, PA, 10x10cm	25	08K1-2145
VertiPlate™ HPTLC, Inorganic Hard-layer		
HPS-GH, 20x20cm	25	08L0-0165
HPS-GH, 10x20cm	25	08L0-0155
HPS-GH, 10x10cm	25	08L0-0145
HPS-GH, PS, 10x20cm	25	08L0-1155
HPS-GH, PS, 10x10cm	25	08L0-1145
HPS-GH, F254, 20x20cm	25	08L1-0165
HPS-GH, F254, 10x20cm	25	08L1-0155
HPS-GH, F254, 10x10cm	25	08L1-0145
HPS-GH, F254, PS, 10x20cm	25	08L1-1155
HPS-GH, F254, PS, 10x10cm	25	08L1-1145

HPS	Silica, 5-8µm particle size, 60Å pore size
HL	Organic Hard-layer binder
GH	Inorganic Hard-layer binder plus Gypsum
F254	Fluorescent Indicator UV254
PS	Prescored
PC	Prechanneled
PA	Preadsorbent

