

## VertiPlate™ Organic Hard-layer

- **High Purity Silica Gel for Increased Sensitivity**
- **Narrow Particle Size Distribution for faster Separations and Improved Resolution**
- **Plate formats are available as Prescored, Prechanneled and Preadsorbent**
- **Plate sizes are available in 20x20cm, 10x20cm and 5x20cm**
- **Hard-layer organic binder enhanced abrasion resistance and compatible with organic solvents**
- **Adsorbents are available with or without Fluorescent Indicator**

S-HL, VertiPlate™ Organic Hard-layer TLC are plates the most rugged silica gel plates available. They not only ease handling and sample application, but also permit the use of up to 80% water in the developing solvent without loss of adherence of the adsorbent layer to the glass plate. Organic binder plates are recommended for all TLC applications except those that use vigorous charring for visualization. Virtually all other visualization methods are free from interference from the organic binder. Special high performance silica gel with 10µm particle size result in separations 25% to 30% faster than with most other TLC plates.

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 four 2.5x10cm plates.

Prechanneled plates help prevent cross contamination by separating multiple samples. More sample can be separated on a plate and the spot zones can be determined more readily. Prechanneled 20x20cm plates have 19 channels. Prechanneled 10x20cm plates have 9 channels. Prechanneled 5x10cm plates have 4 channels.

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 gel, 10µm particle size, 60Å pore size
Binder	Organic Hard-layer
Indicator	Fluorescent at 254nm
Layer Thickness	250µm
Plate material	Glass
Plate size	20x20cm, 10x20cm, 5x10cm
Prescored	20x20cm plate to four 5x20cm plates. 10x20cm plate to four 2.5x10cm plates.
Prechanneled	20x20cm plate has 19 channels. 10x20cm plate has 9 channels. 5x20cm plate has 4 channels.
Preadsorbent	inert material on 3cm band bottom edge

Ordering Information		
Description	QTY	Part No.
<b>VertiPlate™ Organic Hard-Layer, 250µm Thickness</b>		
S-HL, 20x20cm	25	0840-0365
S-HL, 10x20cm	25	0840-0355
S-HL, 5x20cm	25	0840-0335
S-HL, PS, 20x20cm	25	0840-1365
S-HL, PS, 10x20cm	25	0840-1355
S-HL, PC, 20x20cm	25	0840-2365
S-HL, PC, 10x20cm	25	0840-2355
S-HL, PC, 5x10cm	25	0840-2335
S-HL, PA, 20x20cm	25	0840-3365
S-HL, PA, 10x20cm	25	0840-3355
S-HL, PA, 5x10cm	25	0840-3335
S-HL, PS, PC, 20x20cm	25	0840-4365
S-HL, PS, PA, 20x20cm	25	0840-5365
S-HL, PC, PA, 20x20cm	25	0840-6365
S-HL, PC, PA, 10x20cm	25	0840-6355
S-HL, PS, PC, PA, 20x20cm	25	0840-7365
S-HL, F254, 20x20cm	25	0841-0365
S-HL, F254, 10x20cm	25	0841-0355
S-HL, F254, 5x20cm	25	0841-0335
S-HL, F254, PS, 20x20cm	25	0841-1365
S-HL, F254, PS, 10x20cm	25	0841-1355
S-HL, F254, PC, 20x20cm	25	0841-2365
S-HL, F254, PC, 10x20cm	25	0841-2355
S-HL, F254, PC, 5x10cm	25	0841-2335
S-HL, F254, PA, 20x20cm	25	0841-3365
S-HL, F254, PA, 10x20cm	25	0841-3355
S-HL, F254, PA, 5x10cm	25	0841-3335
S-HL, F254, PS, PC, 20x20cm	25	0841-4365
S-HL, F254, PS, PA, 20x20cm	25	0841-5365
S-HL, F254, PC, PA, 20x20cm	25	0841-6365
S-HL, F254, PC, PA, 10x20cm	25	0841-6355
S-HL, F254, PS, PC, PA, 20x20cm	25	0841-7365

S	Silica gel 60Å
HL	Organic Hard-layer binder
F254	Fluorescent Indicator 254nm
PS	Prescored
PC	Prechanneled
PA	Preadsorbent