

VertiPlate™ Inorganic 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 special inorganic binder plus gypsum
- Adsorbents are available with or without Fluorescent Indicator

S-GH, VertiPlate™ Inorganic Hard-layer TLC plates contain a special inorganic binder plus gypsum that stabilizes the layer to make it more abrasion resistant. They provide improved handling and sample application compared to Soft-layer plates and are tough enough to write on with a soft pencil, if required. They are also 100% water resistant and are compatible with aqueous developing solvent. They are recommended for all applications including those where visualization occurs through strong charring procedures or in any case in which reagent interaction with an organic binder occurs.

PS, 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.

PC, 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 5x20cm plates have 4 channels.

PA, 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, 15µm particle size, 60Å pore size
Binder	Special inorganic Hard-layer plus Gypsum
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.
VertiPlate™ Inorganic Hard-Layer, 250µm Thickness		
S-GH, 20x20cm	25	0830-0365
S-GH, 10x20cm	25	0830-0355
S-GH, 5x20cm	25	0830-0335
S-GH, PS, 20x20cm	25	0830-1365
S-GH, PS, 10x20cm	25	0830-1355
S-GH, PC, 20x20cm	25	0830-2365
S-GH, PC, 10x20cm	25	0830-2355
S-GH, PC, 5x20cm	25	0830-2335
S-GH, PA, 20x20cm	25	0830-3365
S-GH, PA, 10x20cm	25	0830-3355
S-GH, PA, 5x20cm	25	0830-3335
S-GH, PS, PC, 20x20cm	25	0830-4365
S-GH, PS, PA, 20x20cm	25	0830-5365
S-GH, PC, PA, 20x20cm	25	0830-6365
S-GH, PC, PA, 10x20cm	25	0830-6355
S-GH, PS, PC, PA, 20x20cm	25	0830-7365
S-GH, F254, 20x20cm	25	0831-0365
S-GH, F254, 10x20cm	25	0831-0355
S-GH, F254, 5x20cm	25	0831-0335
S-GH, F254, PS, 20x20cm	25	0831-1365
S-GH, F254, PS, 10x20cm	25	0831-1355
S-GH, F254, PC, 20x20cm	25	0831-2365
S-GH, F254, PC, 10x20cm	25	0831-2355
S-GH, F254, PC, 5x20cm	25	0831-2335
S-GH, F254, PA, 20x20cm	25	0831-3365
S-GH, F254, PA, 10x20cm	25	0831-3355
S-GH, F254, PA, 5x20cm	25	0831-3335
S-GH, F254, PS, PC, 20x20cm	25	0831-4365
S-GH, F254, PS, PA, 20x20cm	25	0831-5365
S-GH, F254, PC, PA, 20x20cm	25	0831-6365
S-GH, F254, PC, PA, 10x20cm	25	0831-6355
S-GH, F254, PS, PC, PA, 20x20cm	25	0831-7365

S	Silica gel 60Å
GH	Hard-layer inorganic binder plus Gypsum
F254	Fluorescent Indicator 254nm
PS	Prescored
PC	Prechanneled
PA	Preadsorbent

