

VertiPlate™ Non-Silica

- Adsorbents are available with Alumina B, Alumina N, Microcrystalline Cellulose and DEAE cellulose with or without Fluorescent Indicator

ALB, Alumina B TLC plates are basic aluminium oxide. TLC plates are recommended for terpenes, alkaloids, steroids, aliphatic and aromatic compounds. Activated plates at 120°C for 10min before use for improved separations.

ALN-G, Alumina N Inorganic Hard-layer TLC plates are neutral aluminium oxide containing calcium sulfate hemihydrate as a binder. These TLC plates are recommended for terpenes, alkaloids, steroids, aliphatic and aromatic compounds. Activated plates at 120°C for 10min before use for improved separations.

MC, Microcrystalline Cellulose TLC plates are coated with microcrystalline cellulose (Avicel®). The adsorbent consists of regenerated alpha cellulose particles of nearly spherical shape and 50µm particle size. Layer are binder free and abrasion resistant. Compounds separated on this cellulose tend to form more compact spots than on fibrous cellulose layers. Recommended for carboxylic acids, lower alcohols, urea and purine derivatives.

DC, DEAE Cellulose TLC plates are coated with Diethylaminoethyl (DEAE) Cellulose. They are positive charges at neutral and acidic pH for separation of negatively charged molecules by ion exchange chromatography. Hydrophilic nature of the cellulose substrate makes it well suited to ion exchange separations of delicate biomolecules such as proteins, hormones and enzymes. Plates are available with mixed layers containing both DEAE Cellulose and unmodified cellulose. Mixed-layer plates have lower ion exchange capacity and may be expected to provide higher chromatographic mobility for negatively charged molecules.

MDC, Mixed Cellulose TLC plates are mixed layers containing both DEAE Cellulose and unmodified cellulose, 7.5:1. Mixed-layer plates have lower ion exchange capacity and may be expected to provide higher chromatographic mobility for negatively charged molecules.

ALB	Alumina, basis
ALN	Alumina, neutral
G	(Gypsum) Calcium Sulfate Hemihydrate binder
MC	Microcrystalline Cellulose
DC	DEAE Cellulose
MDC	Mixed DEAE Cellulose and unmodified cellulose, 7.5:1
F254	Fluorescent Indicator 254nm

Specifications	
Adsorbent	Aluminum oxide, 10µm, 60Å pore size with Gypsum, Calcium Sulfate Hemihydrate Microcrystalline Cellulose DEAE cellulose
Indicator	Fluorescent at 254nm
Layer Thickness	250µm
Plate material	Glass
Plate size	20x20cm, 10x20cm, 5x20cm

Ordering Information		
Description	QTY	Part No.
VertiPlate™ Alumina B		
ALB, 20x20cm	25	08C0-0365
ALB, 10x20cm	25	08C0-0355
ALB, 5x20cm	25	08C0-0335
ALB, F254, 20x20cm	25	08C1-0365
ALB, F254, 10x20cm	25	08C1-0355
ALB, F254, 5x20cm	25	08C1-0335
VertiPlate™ Alumina A		
ALA, 20x20cm	25	08D0-0365
ALA, 10x20cm	25	08D0-0355
ALA, 5x20cm	25	08D0-0335
ALA, F254, 20x20cm	25	08D1-0365
ALA, F254, 10x20cm	25	08D1-0355
ALA, F254, 5x20cm	25	08D1-0335
VertiPlate™ Alumina Inorganic Hard-layer		
ALN-G, 20x20cm	25	08E0-0365
ALN-G, 10x20cm	25	08E0-0355
ALN-G, 5x20cm	25	08E0-0335
ALN-G, F254, 20x20cm	25	08E1-0365
ALN-G, F254, 10x20cm	25	08E1-0355
ALN-G, F254, 5x20cm	25	08E1-0335
VertiPlate™ Microcrystalline Cellulose		
MC, 20x20cm	25	08F0-0365
MC, 10x20cm	25	08F0-0355
MC, 5x20cm	25	08F0-0335
MC, F254, 20x20cm	25	08F1-0365
MC, F254, 10x20cm	25	08F1-0355
MC, F254, 5x20cm	25	08F1-0335
VertiPlate™ DEAE Cellulose		
DC, 20x20cm	25	08H0-0365
DC, 10x20cm	25	08H0-0355
DC, 5x20cm	25	08H0-0335
DC, F254, 20x20cm	25	08H1-0365
DC, F254, 10x20cm	25	08H1-0355
DC, F254, 5x20cm	25	08H1-0335
VertiPlate™ Mixed Cellulose		
MDC, 20x20cm	25	08B0-0365
MDC, 10x20cm	25	08B0-0355
MDC, 5x20cm	25	08B0-0335
MDC, F254, 20x20cm	25	08B1-0365
MDC, F254, 10x20cm	25	08B1-0355
MDC, F254, 5x20cm	25	08B1-0335