

### SepaFlash™ TLC Plates, Aluminum-Backing, C18, 20 x 20 cm, 150 µm, F254, 25/box

**Part Number:** TL-CM3701

#### General Description

These C18 aluminum-backed TLC plates are engineered for reliable reversed-phase chromatographic analysis with excellent flexibility, durability, and ease of handling. Coated with high-performance octadecyl (C18) modified silica, these plates offer strong retention and consistent separation of a wide range of analytes including aminophenols, barbiturates, nucleobases, phthalates, plasticizers, polycyclic aromatic hydrocarbons (PAH), preservatives, steroids, and tetracyclines. Ideal for HPTLC applications, the C18 layer is wettable with water, enabling versatile solvent compatibility and superior spot resolution. The robust binder system ensures clean, precise cutting without silica flaking, while maintaining lot-to-lot reproducibility and separation efficiency. Lightweight and aluminum-backed for added strength, these plates are a dependable choice for high-precision reversed-phase thin-layer chromatography.

#### General Information

<b>Adsorbent:</b>	C18
<b>Carbon Content:</b>	7.5 %
<b>Adsorbent Particle Size:</b>	2 - 10 µm average
<b>Adsorbent Pore Size:</b>	60 Å
<b>Backing:</b>	Aluminum
<b>Binder:</b>	Proprietary polymer binder
<b>Indicator:</b>	Yes (UV 254)
<b>Layer Hardness:</b>	Standard layer, 300 - 500 (easy to write on with pencil)
<b>Layer Thickness:</b>	150 µm
<b>Plate Size:</b>	20 x 20 cm
<b>Qty / Box:</b>	25 plates

#### Visualization Techniques

Compatible with and resistant to all visualization reagents, including the most aggressive ones.

#### Acceptable Solvents

Compatible with all standard chromatography solvents.

#### Storage Conditions

Store in a dry place at room temperature, away from direct sunlight and moisture.

#### Testing Guidelines and Specifications

<b>Layer Thickness</b>	<b>120 – 180 µm</b>
<b>Migration Distance (10 minutes)</b>	
<u>Conditions</u>	<u>Minutes</u>
Acetone : Water (1:1)	5.2 – 7.2 cm
<b>Separation Steroids</b>	
<u>Components</u>	<u>Rf Values</u>
Cortisone	0.50 – 0.65
Corticosterone	0.40 – 0.55
Cortexone	0.27 – 0.42