

9.2.1.3 Classification According to the Shape of the Chromatographic Bed

Column Chromatography

A separation technique in which the stationary bed is within a tube. The particles of the solid stationary phase or the support coated with a liquid stationary phase may fill the whole inside volume of the tube (*Packed Column*) or be concentrated on or along the inside tube wall leaving an open, unrestricted path for the mobile phase in the middle part of the tube (*Open-Tubular Column*).

Planar Chromatography

A separation technique in which the stationary phase is present as or on a plane. The plane can be a paper, serving as such or impregnated by a substance as the stationary bed (*Paper Chromatography*, PC) or a layer of solid particles spread on a support, e.g., a glass plate (*Thin Layer Chromatography*, TLC). Sometimes planar chromatography is also termed *Open-Bed Chromatography*.