

Preparation of Thin-Layer Chromatography Stains

CAM Stain

10 mL concentrated sulfuric acid
90 mL H₂O
2.5 g ammonium molybdate (VI) tetrahydrate
1 g ammonium cerium (IV) sulfate dihydrate

PMA Stain

100 mL ethanol
10 g phosphomolybdic acid hydrate

Ninhydrin Stain

100 mL *n*-butanol
3 mL acetic acid
300 mg ninhydrin
(protect from light)