HIGH PERFOMANCE THIN LAYER CHROMATOGRAPHY (HPTLC)

Make	Model
Switzerland	Camag, HPTLC

Brief Description:

TLC Scanner with CAT Software: For densitometry evaluation of TLC plates and electrophoresis objects with spectral range of 190-800 nm, scanning in reflectance or transmittance mode either by absorbance or by fluorescence for nitrogen flushing for scanning below 200nm.

TLC Scanner III:

- With three light sources-mercury vapour lamp, deuterium lamp, or tungsten.

LINOMAT 5

- Sample dosage syringe selectable 100µlor500µl.Gas supply 4-6 bar (60-90PSI) preferably nitrogen

REPROSTAR 3 with G5 Digital Camera

- 254nm “short-wave” UV
- 302 nm “mid-range” UV
- 366nm“ long-wave”UV
- 400-700nm“white light”

HPTLC is a versatile separation technique and is official in the most of the pharmacopoeias for determining content uniformity, purity profile, assay values and dissolution rates in unlimited number of monographs

Application:

- In bio-chemistry for separation & screening of complex
- Product such as amino acid, purines, nucleotides, toxic & carcinogenic compounds.
- Pharmaceutical laboratories, for analysis of drugs, antibiotics, vitamins and other product.
- Analysis of pesticide and insecticides.
- In cosmetic industry for analysis of dyes and perfumes.
- In the study of natural products.
- For the useful identification and conformation purpose.
- Analysis of Assay marker compounds.