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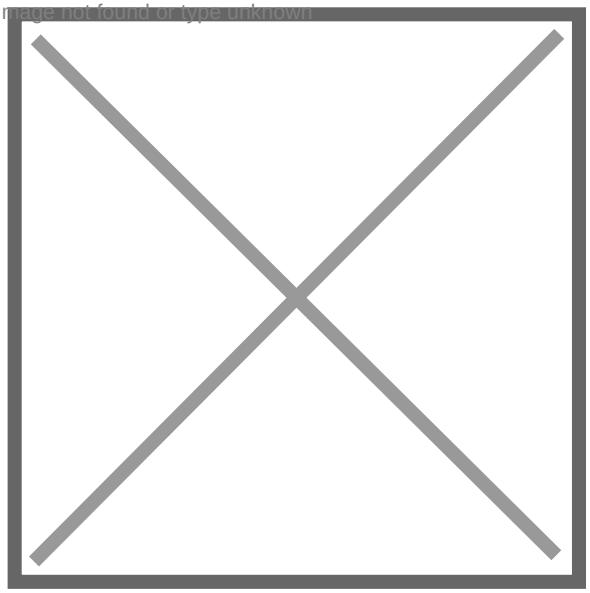
Product Name :

Chromatography kit

Product Code :

SCI-226/035

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Science Lab
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Description :

Chromatography kit (Product Code: SCI-226/035) is a set of apparatus and chemicals used to introduce students to thin layer chromatography in school and college chemistry and biology laboratories. It brings four covered borosilicate glass jars, silica gel TLC plates, two spray guns, indicators, inks, an amino acid set, ninhydrin and a theory-and-practice booklet together, so one purchase equips a complete chromatography kit for school practicals. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Purpose	Introducing students to thin layer chromatography (TLC)
Chromatography jars	4, borosilicate glass with cover, 200 mm (H) x 100 mm (W)
TLC plates	Ready-to-use plates made of silica gel
Laboratory spray guns	2, each with spray head, glass reservoir and replaceable pressure unit, for spraying agents on to chromatograms
Dropping pipettes	Glass with rubber teat, pack of 10
Indicators	Phenol red, bromophenol blue, Congo red and universal indicator; 0.05% in ethanol/water; 3 x 5 ml vials
Inks	Brown, royal blue, green and blue-black, in vials
Amino acids set	Tubes of L-alanine, L-asparagine, L-cystine, L-glutamic acid, glycine, L-leucine, DL-phenylalanine, L-proline, L-serine, L-threonine, L-tryptophan, L-tyrosine and L-valine
Ninhydrin	5 x 100 ml
Booklet	Covers the theory and practice of paper and thin layer chromatography
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SCI-226/035
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Chromatography Kit Used For?

The kit supports the standard TLC practical: spot a mixture on a pencil baseline, stand the plate in a covered jar with a shallow layer of solvent below the spots, let the solvent front climb, then mark the front and calculate Rf values. Classes usually begin with the four coloured inks, compare the four indicators next, and finish with the amino acids, which are colourless until the plate is sprayed with ninhydrin from the spray guns and gently warmed.

Keep each jar covered so the air inside saturates with solvent vapour, and make sure the spots sit ab
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