

CONTENTS

Part I : Fundamentals

1. Introduction to Part I	3
2. Preparation of Thin Films	8
3. Adsorbents	14
4. Spotting	20
5. Development	24
6. Factors Influencing the R_f -value	32
7. Methods for Locating Colourless Compounds	41
8. Records	50
9. Summary of the Operational Instructions	52

Part II : Special Techniques

10. Introduction to Part II	57
11. Special Methods for Development	60
12. Alteration of pH in the Chromatographic System	70
13. Thin Film Partition Chromatography	76
14. Thin Film Ionophoretic Chromatography	89
15. Identifications	92
16. Quantitative Determinations	102

Part III : Applications

17. Introduction to Part III	121
18. Use in Conjunction with Other Methods for Resolving Mixtures	123
19. Chromatographic Patterns of Natural Products	126
20. Elucidating the Course of a Reaction	128
21. Resolution of Groups of Related Compounds	130
22. Conclusions	181
References	184
Appendix	193
Author Index	195
Subject Index	200