

CONTENTS

Part 1: General Practices of TLC

1. Introduction and History	1
2. Mechanism and Theory	7
3. Sorbents, Layers, and Precoated Plates	19
4. Obtaining Material for TLC and Sample Preparation	45
5. Application of Samples and Basic TLC Design	67
6. Solvent Systems	77
7. Development Techniques	89
8. Detection and Visualization	105
9. Qualitative Evaluation and Documentation	123
10. Quantitation	141
11. Reproducibility of Results	153
12. Preparative Thin-Layer Chromatography	161
13. Radiochemical Techniques	171

Part 2: Applications of TLC to Different Compound Types

14. Lipids	182
15. Amino Acids	230
16. Carbohydrates	246
17. Natural Pigments	263
18. Miscellaneous	277