

# Histological & Histochemical Methods:

Theory & Practice

**J A Kiernan**

**T**his book presents the student with a detailed account of modern histological microtechnique. For each major group of methods there is a general description, followed by a detailed discussion of a few individual techniques. In so far as it is known, the chemistry underlying each technique is explained, without assuming that the reader is already aware of the abstruse reactions that are sometimes involved.

Practical instructions are also given in sufficient detail for the student to be able to understand the reasoning behind every stage of each method, as well as to enable him to use them intelligently.

Theoretical and practical exercises are included at the end of each chapter.

## *Contents*

Introduction to microtechnique, Fixation, Decalcification, Processing and mounting, Dyes, Histological staining in two colours, Blood stains, Methods for connective tissue, Methods for nucleic acids, Organic functional groups and protein histochemistry, Carbohydrate histochemistry, Lipids, Methods for inorganic ions, Enzyme histochemistry — general considerations, Hydrolytic enzymes, Oxidoreductases, Methods for amines, Neurohistological methods, Immunohistochemistry, Miscellaneous data, Glossary, Bibliography, Index.