

Preface

The Modern Technology and Method of Histochemistry

The composition of *The Modern Technology and Method of Histochemistry* which supported by Xi'an Jiaotong University, is under supervision of highly experienced professors. The main purpose of this textbook is to cultivate basic experiment skills, enhance research activity and innovative spirit.

Histochemistry, which widely used in life science, is basic science and technology for medical graduate students. In order to make sure the graduate students understand and master basical knowledge and methods, different experiments and corresponding images are added to demonstrate the theories. Since Histochemistry is also fast-developing science, advanced methods in fixation, new fluorescence dyes as cell markers, the use of flow cytometry confocal laser scanning microscope and other new technologies are emphasized. The photomicrography is also introduced as well.

This textbook is suitable for foreign medical graduates in preclinical Medicine and Clinical Medicine, and can also be used as references for other fields, such as Preventive Medicine, Nursing and Pharmacy.

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Section 1—Overview (033)
 Section 2—Demonstration of lipids with physical methods Jinsong Zhou (040)
 Section 3—Demonstration of lipids with chemical Xi'an Jiaotong University
 March, 2014

Section 1—Enzyme and its basic histochemical theory (044)
 Section 2—Histochemistry for common enzymes (049)