

<<机能学综合实验指导>>

图书基本信息

书名：<<机能学综合实验指导>>

13位ISBN编号：9787310032327

10位ISBN编号：7310032322

出版时间：2009-9

出版时间：南开大学出版社

作者：张京玲 编

页数：135

字数：224000

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<机能学综合实验指导>>

内容概要

《机能学综合实验指导》的第一章介绍了实验内容、目的、要求、实验动物基本知识和实验仪器，这部分内容由郭涛、赵岩同学和杨爽、倪虹老师编写。其余三章内容中涉及生理学专业的实验内容由李静老师编写，涉及病理生理学专业的实验内容由倪虹老师编写，涉及药理学专业的实验内容由张京玲老师编写，杨卓老师承担了全书的英文审校工作。

<<机能学综合实验指导>>

书籍目录

CHAPTER ONE INTRODUCTION

Section 1 The Content, Purpose and Requirements of Functional Experiments Course

- 1.1.1 Content
- 1.1.2 Purpose
- 1.1.3 Requirements
- 1.1.4 Format of Experiment Report

Section 2 Basic Knowledge Required in the Functional Experiments

- 1.2.1 Basic Knowledge about Laboratory Animals
- 1.2.2 How to Calculate the Drug Dosage to Animals
- 1.2.3 Animal Handling and Different Routes of

Administration

- 1.2.4 Anesthesia of Laboratory Animals

Section 3 Common Apparatus Used in Functional Experiments

...

1.3.1 RM6240C Channel Physiological Signal Acquiring and Processing System

- 1.3.2 BL-420 Data Acquisition and Analysis System for Life

Science

- 1.3.3 BI-2000 System of Image Processing and Analysis
- 1.3.4 Computer and Local Network Technique Used in the

Teaching

CHAPTER TWO BASIC EXPERIMENTS IN FUNCTIONAL EXPERIMENTS

Section 1 Analog Experiments on the Computer or Machine

2.1.1 Analog Experiments of Electro-physiology of the Calamary's Huge Axon on the Computer

2.1.2 Analog Experiments of Mechanics of Muscle Contraction on the Computer

2.1.3 Analog Experiments of One Compartment Open Model on the Machine

2.1.4 Analog Experiments of Two Compartment Open Model on the Machine

Section 2 Functional Experiments on Isolated Preparations

- 2.2.1 Preparation of Sciatic Nerve-Gastrocnemius (SNG)

Samples

2.2.2 Influences of the Muscle Contraction through Different Stimulation Intensities

2.2.3 Influences of the Muscle Contraction through Different Stimulation Frequencies

- 2.2.4 Preparation of Isolated Toad Heart

- 2.2.5 Observation and Recording of Toad's Heart Beat

- 2.2.6 The Effects of Electrolyte on the Heart Activity

2.2.7 The Physiological Characters of the Rabbit Small Intestine Segment in-vitro

2.2.8 The Influence of Drugs on Isolated Toad Heart

.....

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>