
Description: Gives readers a detailed understanding of how specific biological weapons work and how those affected by the weapons would be treated

The subject of bioterrorism is only mentioned tangentially, if at all, in most undergraduate programs; however, biological weapons are a very real threat to all societies around the world. Some agents are available for legal purchase on the Internet with the proper credentials, and it is extremely likely that an international black market exists for the deadliest of these agents. Protocols for weaponizing some agents are available on the Internet, and most of the required materials can be purchased at any large hardware store. Biological Weapons: Recognizing, Understanding, and Responding to the Threat is designed for anyone seeking knowledge on bioterrorism and biological weapons; one does not have to be a medical professional or even a science major to understand the discussions and terminology in this text.

The book is separated into four units and provides an overview of microbiology, the human immune system, agencies that monitor biological threats, and the major threats from bacteria, toxins, and viruses. The opening chapters include sufficient background for those unfamiliar with the subject matter. The Chapter Review Questions found at the end of each chapter provide a quick way to test understanding of the material, and the Unit Reviews help tie it all together.

Biological Weapons covers:
- Overviews of microbiology, immunology, and defense agencies
- Bacterial Weapons such as Anthrax, Plague, Tularemia, and Cholera
- Toxins including: Ricin, Botulism, and Staphylococcal enterotoxin B
- Viruses including: Ebola, Smallpox, Hantavirus, Viral encephalitis, Nipah Virus, Lassa Fever
- A closing chapter looking ahead at Policies, Procedures, & Prevention

The material presented here will increase the general knowledge of biological warfare agents and the dangers they present. The more aware we are of the threat, the more prepared our society will be to respond to an act of biological terrorism.

Contents:
PREFACE xv
ACKNOWLEDGMENTS xvii
ABOUT THE COMPANION WEBSITE xix
INTRODUCTION 1
UNIT I AGENTS IMMUNITY AND AGENCIES 5
1 Bacteria Toxins and Viruses 7
1.1 Bacteria 7
1.2 Toxins 15
1.3 Viruses 17
1.4 Genetic Engineering 21
Chapter 1 Summary 23
Chapter 1: Review Questions 24
2 The Human Immune System 27
  2.1 The Defense 27
  2.2 The Offense 29
Chapter 2 Summary 35
Chapter 2 Review Questions 36
3 Defense Agencies 37
  3.1 The Centers for Disease Control and Prevention 37
  3.2 The World Health Organization 40
  3.3 The United States Army Medical Research Institute of Infectious Diseases 42
  3.4 The United States Department of Homeland Security 45
  3.5 The Biological Toxins and Weapons Convention 47
Chapter 3 Summary 48
Chapter 3 Review Questions 49
UNIT I REVIEW 51
UNIT II BACTERIA 53
4 Anthrax 55
  4.1 The Agent 56
  4.2 Symptoms 60
  4.3 Treatment 63
  4.4 History 65
Chapter 4 Summary 71
Chapter 4 Review Questions 72
References 73
5 Plague 75
  5.1 The Agent 76
  5.2 Symptoms 79
  5.3 Treatment 81
  5.4 History 82
Chapter 5 Summary 87
Chapter 5 Review Questions 88
References 89
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

- **Product Name:** Biological Weapons. Recognizing, Understanding, and Responding to the Threat. Wiley Series on Homeland Defense and Security
- **Web Address:** [http://www.researchandmarkets.com/reports/3615705/](http://www.researchandmarkets.com/reports/3615705/)
- **Office Code:** SCBRIQ81

Product Format
Please select the product format and quantity you require:

- **Quantity**
  - **Hard Copy (Hard Back):** USD 100 + USD 29 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

- **Title:**
  - Mr [ ]
  - Mrs [ ]
  - Dr [ ]
  - Miss [ ]
  - Ms [ ]
  - Prof [ ]
- **First Name:** ____________________________
- **Last Name:** ____________________________
- **Email Address:** *
  ____________________________
- **Job Title:** ____________________________
- **Organisation:** ____________________________
- **Address:** ____________________________
- **City:** ____________________________
- **Postal / Zip Code:** ____________________________
- **Country:** ____________________________
- **Phone Number:** ____________________________
- **Fax Number:** ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World