

CONTENTS

PART I: SIGNIFICANCE OF MICROORGANISMS AND THEIR TOXINS IN FOODS	
Indicator Microorganisms	3
Food-Borne Disease Bacteria	15
Food-Borne Parasitic and Viral Agents	52
Food-Borne Microbial Toxins	68
Important Considerations for the analyst	90
PART II: RECOMMENDED METHODS FOR MICROBIOLOGICAL EXAMINATION	
Introduction	105
Preparation and Dilution of the Food Homogenate	106
Enumeration of Mesophilic Aerobes: The Agar Plate Methods	112
Coliform Bacteria	125
Enterobacteriaceae	140
The Enterococci	144
Hemolytic Streptococci	149
The Enumeration of Yeasts and Molds	157
Salmonellae	160
Shigellae	173
Enteropathogenic Escherichia coli (EEC)	180
Vibrio parahaemolyticus	201
Vibrio cholerae	208
Staphylococcus aureus	218
Staphylococcal Enterotoxins	229
Clostridium botulinum	257
Clostridium perfringens	264
Bacillus cereus	274
PART III: SPECIFICATIONS FOR INGREDIENTS, MEDIA, AND REAGENTS	
Specifications for Ingredients	279
Specifications for Media	284
Specifications for Reagents	341
APPENDICES	
I. Laboratories participating in ICMSF methods studies	353
II. The International Commission on Microbiological Specifications for Foods: its purposes And accomplishments	355
III. Contributors to the sustaining fund of ICMSF	3602
IV. Some recommendations on safety precautions in the microbiological laboratory	362
V. Members, subcommission members, and consultants of ICMSF	364

VI. Cross-references for Volume 2	372
References	373
Index	425