

CONTENTS

1. The Meaning and Purpose of Sterilization	1
2. Sterilization Kinetics	12
3. The Sterilization of Air and Other Gases	33
4. Design and Testing of Fibrous Air Filters	51
5. Thermal Sterilization of Liquids	67
6. Sterilization of Fermenter Mashers	76
7. Design of Heat Sterilization Cycles	93
8. Design and Operation of Aseptic Fermenters	107
9. Sterilizing Autoclaves	123
10. Laboratories and Sterile Rooms	133
11. Sterile Filtration of Liquids	138
12. Radiation Sterilization	145
13. Chemical Disinfection and Detergency	157
14. Sterilization and Disinfection by Gases	164
Subject Index	173