576.163 RAP

CONTENTS

1 History of and prospects for rapid and instrumental methodology for the microbiological	
examination of foods	1
2 Development and evaluation of membrane filtration techniques in microbial analysis	29
3 Evaluation of commercial kits and instruments for the detection of foodborne bacterial	
pathogens and toxins	61
4 Microbiological applications of immunomagnetic techniques	104
5 Automated electrical techniques in microbiological analysis	131
6 Modern methods for detection of viruses in foods	170
7 Luminescent techniques for microbiological analysis of foods	196
8 Modern methods for detecting and enumerating foodborne fungi	232
9 Scope for rapid microbiological methods in modern food production	255
10 Detection and identification of foodborne microbial pathogens by the polymerase chain	
reaction: food safety applications	268
Index	291