## 615.191 MIC

## CONTENTS

1	Control of microbial contamination in non-sterile pharmaceuticals, cosmetics and toiletries	9
2	Hazards associated with the microbiological contamination of non-sterile pharmaceuticals,	
	Cosmetics and toiletries	15
3	Microbiological control of raw materials	35
4	Control of microbial contamination during manufacture	49
5	Microbiological contamination of manufactrured products: official and unofficial limits	61
6	Natural and physical preservative systems	77
7	The effect of container materials and multiple-phase formulation components on the activity of	
	Antimicrobial agents	94
8	Preservation of solid oral dosage forms	104
9	Preservative efficacy testing of non-sterile pharmaceuticals, cosmetics and toiletries and its	
	limitations	119
10	Challenge tests and their predictive ability	129
11	Safety evaluation of preservatives	147
12	Development of preservative systems	156
13	Microbial resistance to preservative systems	171
14	New methodology for microbiological quality assurance	195
Index		217