



# Heterotrophic Plate Counts and Drinking-water Safety

---

*The Significance of HPCs for Water Quality  
and Human Health*

Edited by J. Bartram, J. Cotruvo, M. Exner,  
C. Fricker, A. Glasmacher



# Contents

---

	<i>Foreword</i>	vii
	<i>Acknowledgements</i>	ix
	<i>List of acronyms and abbreviations</i>	xi
	<i>Robert Koch</i>	xiv
1	Expert consensus	1
	<i>Expert Meeting Group Report</i>	
2	Public health aspects of the role of HPC — an introduction	12
	<i>M. Exner, V. Vacata and J. Gebel</i>	
3	The history and use of HPC in drinking-water quality management	20
	<i>P. Payment, D.P. Sartory and D.J. Reasoner</i>	
4	The presence of bacteria in water after regrowth	49
	<i>C.R. Fricker</i>	
5	Bacteria of potential health concern	61
	<i>N.F. Lightfoot</i>	
6	Relationships between common water bacteria and pathogens in drinking-Water	80
	<i>H. Leclerc</i>	
7	Epidemiological and risk assessment evidence of disease linked to HPC Bacteria	119
	<i>P.R. Hunter</i>	

<b>8</b>	Infections from HPC organisms in drinking-water amongst the Immunocompromised <i>A. Glasmacher, S. Engelhart and M. Exner</i>	137
<b>9</b>	Methods to identify and enumerate frank and opportunistic bacterial pathogens in water and biofilms <i>N.J. Ashbolt</i>	146
<b>10</b>	Conditions favouring coliform and HPC bacterial growth in drinking-water and on water contact surfaces <i>M.W. LeChevallier</i>	177
<b>11</b>	Managing regrowth in drinking-water distribution systems <i>D. van der Kooij</i>	199
<b>12</b>	The role of HPC in managing the treatment and distribution of drinking-water <i>W. Robertson and T. Brooks</i>	233
	<i>Index</i>	245