



Guideline no. 68

**A guide to microorganisms
and their control**

Greg Jones

2012

© Campden BRI 2012
ISBN: 978 0 907503 70 5

Station Road, Chipping Campden, Gloucestershire, GL55 6LD, UK
Tel: +44(0)1386 842000 Fax: +44(0)1386 842100

www.campden.co.uk

Information emanating from this company is given after the exercise of all reasonable care and skill in its compilation, preparation and issue, but is provided without liability in its application and use.

Legislation changes frequently. It is essential to confirm that legislation cited in this publication and current at the time of printing, is still in force before acting upon it.

The information contained in this publication must not be reproduced without permission from the Publications Manager.

CONTENTS

	Page no.
INTRODUCTION	1
Table of food types and microorganisms of concern	2
Pasteurisation and heat treatments	6
Glossary of terms	8
Indicator groups	9
Conventions	10
<i>Achromobacter</i>	11
<i>Acinetobacter</i>	12
<i>Aeromonas</i>	13
<i>Alcaligenes</i>	14
<i>Alicyclobacillus</i>	15
<i>Aspergillus</i>	16
<i>Bacillus cereus</i>	17
<i>Bacillus</i> spp.	18
<i>Brevibacterium</i>	19
<i>Brochothrix</i>	20
<i>Campylobacter</i>	21
<i>Candida</i>	22
<i>Chromobacterium</i>	23
Non - proteolytic <i>Clostridium botulinum</i>	24
Proteolytic <i>Clostridium botulinum</i>	25
<i>Clostridium estertheticum</i>	26
<i>Clostridium perfringens</i>	27
<i>Corynebacterium</i>	28
<i>Cronobacter</i> spp.	29
<i>Cryptosporidium</i>	30
<i>Cyclospora</i>	31
<i>Dekkera</i> (<i>Brettanomyces</i>)	32
<i>Enterococcus</i>	33
ESBL's (Extended Spectrum Beta-Lactamase producers)	34
<i>Escherichia coli</i>	35
<i>Escherichia coli</i> O157	36
<i>Escherichia coli</i> - non-O157 Verocytotoxin (Shigatoxin) producing strains	37
<i>Flavobacterium</i>	38
<i>Giardia</i>	39
Hepatitis viruses	40
Lactic Acid Bacteria	41
<i>Listeria monocytogenes</i>	42
<i>Micrococcus</i>	43
<i>Moraxella</i>	44

MRSA (methicillin resistant <i>Staphylococcus aureus</i>)	45
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>	46
Norovirus	47
<i>Penicillium</i>	48
<i>Photobacterium</i>	49
Prions	50
<i>Pseudomonas</i>	51
<i>Psychrobacter</i>	52
<i>Saccharomyces</i>	53
<i>Salmonella</i>	54
<i>Staphylococcus aureus</i>	55
<i>Vibrio</i> spp.	56
<i>Xanthomonas</i>	57
<i>Yersinia enterocolitica</i>	58
Zygomycetes	59
<i>Zygosaccharomyces</i>	60