Guidelines for Authors v–ix

Microbiology Comment 1–3

REVIEW ARTICLES

Molecular marker systems for detection of genetically engineered microorganisms in the environment
J. I. Prosser 5–17

The structure and function of fungal laccases
C. F. Thurston 19–26

DEVELOPMENT AND STRUCTURE

Alterations of murein structure and of penicillin-binding proteins in minicells from Escherichia coli
W. Obermann and J.-V. Höltje 79–87

PHYSIOLOGY AND GROWTH

Iron chelator, exopolysaccharide and protease production in Staphylococcus epidermidis: a comparative study of the effects of specific growth rate in biofilm and planktonic culture

BIOCHEMISTRY

Novel polar lipid composition of Clostridium innocuum as the basis for an assessment of its taxonomic status
N. C. Johnston, H. Goldfine and W. Fischer 105–111

NADP-dependent alcohol dehydrogenases in bacteria and yeast: purification and partial characterization of the enzymes from Acinetobacter calcoaceticus and Saccharomyces cerevisiae
M. R. Wales and C. A. Fewson 173–183

Specific induction of a cuticle-degrading protease of the insect pathogenic fungus Metarhizium anisopliae

Purification, properties and heterologous expression of formamidase from Methylophilus methylotrophus
N. Wyborn, D. J. Scherr and C. W. Jones 191–195

Front cover illustration False-colour transmission electron micrograph of the aerobic soil bacterium Pseudomonas fluorescens produced by the shadow technique. Dr Tony Brain/Science Photo Library.
IncN plasmids mediate UV resistance and error-prone repair in *Pseudomonas aeruginosa* PAO

T. A. Kokjohn and R. V. Miller  
43–48

*Escherichia coli* K12 regains its O antigen

D. Liu and P. R. Reeves  
49–57

Genetic analysis of *Escherichia coli* O9 *rfb*: identification and DNA sequence of phosphomannomutase and GDP-mannose pyrophosphorylase genes

59–71

Analysis of the membrane-anchoring properties of the putative amphilphilic α-helical anchor at the C-terminus of *Escherichia coli* PBP 6

D. A. Phoenix, S. E. Peters, M. A. Ramzan and J. M. Pratt  
73–77

Targeted integration of genes into the *Clostridium acetobutylicum* chromosome

S. R. Wilkinson and M. Young  
89–95

A complex array of Hpr consensus DNA recognition sequences proximal to the enterotoxin gene in *Clostridium perfringens* type A

S. Brynestad, L. A. Iwanejko, G. S. A. B. Stewart and P. E. Granum  
97–104

*Rhizobium leguminosarum* contains multiple chaperonin (cpn60) genes

E. J. Wallington and P. A. Lund  
113–122

Nucleotide sequence and secondary structures of precursor 16S rRNA of slow-growing mycobacteria

Y. Ji, M. J. Colston and R. A. Cox  
123–132

Transformation of mycobacterial species using hygromycin resistance as selectable marker

T. R. Garbe, J. Barathi, S. Barnini, Y. Zhang, C. Abou-Zeid, D. Tang, R. Mukherjee and D. B. Young  
133–138

Transformation of *Saccharopolyspora spinosa* protoplasts with plasmid DNA modified *in vitro* to avoid host restriction

P. Matsushima and R. H. Baltz  
139–143

Isolation of a conditional suppressor of leucine auxotrophy in *Saccharomyces cerevisiae*

J. A. Heinemann, R. G. Ankenbauer and J. Horecka  
145–152

**ENVIRONMENTAL MICROBIOLOGY**

In *situ* transfer of an exogenously isolated plasmid between *Pseudomonas* spp. in sugar beet rhizosphere

A. K. Lilley, J. C. Fry, M. J. Day and M. J. Bailey  
27–33

Survival of *Staphylococcus aureus* in lakewater monitored by flow cytometry

J. P. Diaper and C. Edwards  
35–42
Candida albicans aspartic proteinase cleaves and inactivates human epidermal cysteine proteinase inhibitor, cystatin A


Are point mutations or DNA rearrangements responsible for the restriction fragment length polymorphisms that are used to type bacteria?

L. M. C. Hall 197–204

Localization of antigenic domains on the major subunits of Bordetella pertussis serotype 2 and 3 fimbriae


BIOTECHNOLOGY

Different effects of N-glycosylation on the thermostability of highly homologous bacterial (1,3-1,4)-β-glucanases secreted from yeast

M. Meldgaard and I. Svendsen 159–166

© Society for General Microbiology 1994

Printed in Great Britain at the University Press, Cambridge