

MYCOPLASMAS

**Molecular Biology
and Pathogenesis**



Editor in Chief: Jack Maniloff
Editors: Ronald N. McElhaney, Lloyd R. Finch,
and Joel B. Baseman

Provides the first thorough description of mycoplasmas
in terms of modern cellular and molecular biology

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Over 60 scientists from around the world fully examine mycoplasmas in terms of their biology and pathogenicity. The smallest reported microorganisms with the smallest known cell genomes, mycoplasma species are significant pathogens of humans, animals, plants, and insects, as well as major contaminants of cell cultures. Considerable attention is currently being directed toward the possible involvement of mycoplasmas in AIDS.

As a single, comprehensive reference providing current information and ideas about mycoplasma pathogenicity, Mycoplasmas will be extremely useful to a wide range of scientists and clinicians.

CONDENSED CONTENTS

- I. **Introduction** (Razin; Miles; Maniloff)
- II. **Molecular Architecture** (Carson, Hu, and Collier; Rosenbusch and Minion; Smith; Wieslander, Boyer, and Wróblewski; McElhaney; Herrnan; Glaser, Hyman, and Razin)
- III. **Metabolism and Energy Utilization** (Pollack; Fischer, Fischer, and Jensen; Finch and Mitchell; McElhaney; Kirchhoff)
- IV. **Macromolecule Biosynthesis and Genetics** (Labarère; Maniloff, Dybvig, and Sladek; Muto, Andachi, Yamao, Tanaka, and Osawa; Dascher and Maniloff; Dybvig; McIntosh, Deng, Zheng, and Ferrell)
- V. **Identification and Treatment of Pathogenic Mycoplasmas** (Lee and Davis; Simecka, Davis, Davidson, and Ross; Krause and Taylor-Robinson; McGarrity, Kotani, and Butler)
- VI. **Molecular Basis of Mycoplasma Pathogenicity** (Tryon and Baseman; Wise, Yogev, and Rosengarten; Ellison, Olson, and Barile; Kenny; Roberts; Lo)
- VII. **Evolution** (Maniloff; Christiansen; Samuelson and Borén)

Mycoplasmas: Molecular Biology and Pathogenesis (ISBN 1-55581-050-0). October 1992. Hardcover, 609 pages, large format, illustrations, index. List price: \$109.00. ASM Member price: \$89.00. Canadians: Please add 7% G.S.T. Shipping charges: U.S., \$3.50/book; Non-U.S., \$6.50/book.

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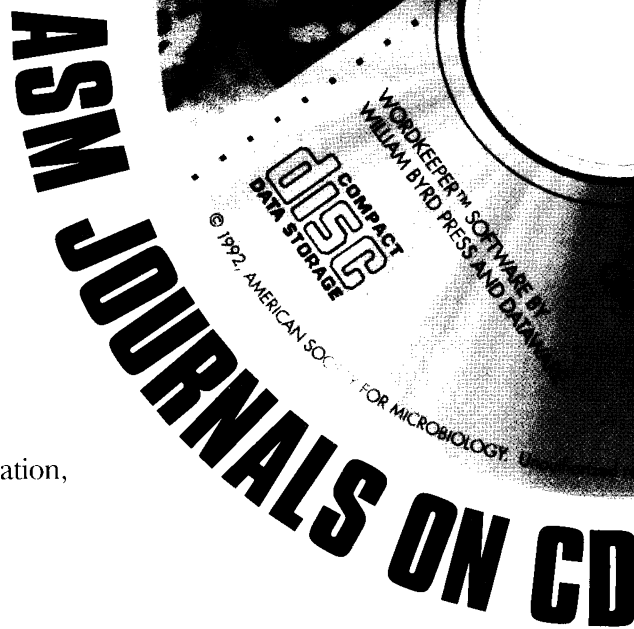
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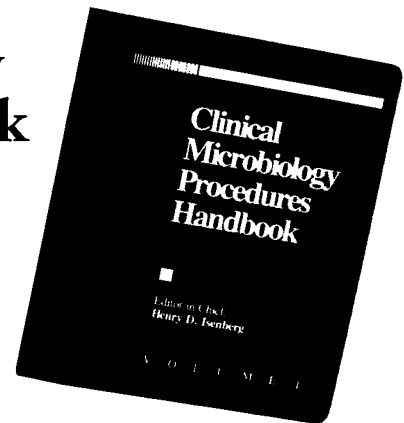
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