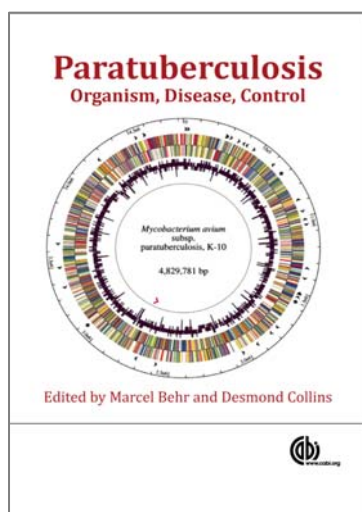


new book information from CABI



Paratuberculosis Organism, Disease, Control

Edited by **M A Behr**, McGill University, Montreal, Canada
and **D M Collins**, AgResearch, New Zealand

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37 figures/illustrations

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Subject Classification: TWD, TWM
Territorial Market Rights: World

Paratuberculosis, also referred to as Johne's disease, affects cattle, goats, sheep, buffalo, deer and other ruminants. It is common worldwide and responsible for significant economic losses in the dairy industry. Recent advances in detection, vaccination and microbial genetics make this a timely book that examines the epidemiology of paratuberculosis, the organism that causes the disease, and practical aspects of its diagnosis and control. It also addresses the link between paratuberculosis in the food chain and human health implications, including Crohn's disease.

Audience:

Researchers, practitioners and students in veterinary and animal science, veterinary microbiology, environmental biology, food microbiology and mycobacteriology and livestock industry personnel.

Contents:

1. History of paratuberculosis
2. Global Prevalence and Economics of Infection with *Mycobacterium avium* subsp. *paratuberculosis* in ruminants
3. Epidemiology of paratuberculosis
4. *Mycobacterium avium* subsp. *paratuberculosis* in animal-derived foods and the environment
5. Paratuberculosis and Crohn's disease
6. Genetics of host susceptibility to paratuberculosis
7. *Mycobacterium avium* complex
8. *Mycobacterium avium* subsp. *paratuberculosis* genome
9. Molecular genetics of *Mycobacterium avium* subsp. *Paratuberculosis*
10. Proteome and antigens of *Mycobacterium avium* subsp. *Paratuberculosis*
11. Host-pathogen interactions and intracellular survival of *Mycobacterium avium* subsp. *Paratuberculosis*
12. Comparative differences between strains of *Mycobacterium avium* subspecies *paratuberculosis*
13. *Mycobacterium avium* subsp. *paratuberculosis* and antimicrobial agents
14. Paratuberculosis in Cattle
15. Paratuberculosis in sheep
16. Paratuberculosis in goats
17. Paratuberculosis in deer, camelids and other ruminants
18. Infection of non-ruminant wildlife by *Mycobacterium avium* subsp. *paratuberculosis*
19. Experimental ruminant models of paratuberculosis
20. Experimental small animal models of paratuberculosis
21. Immunology of paratuberculosis infection and disease
22. Cultivation of *Mycobacterium avium* subsp. *Paratuberculosis*
23. Diagnosis of paratuberculosis by PCR
24. Immune-based diagnosis of paratuberculosis
25. Strain characterisation of *Mycobacterium avium* subsp. *Paratuberculosis*
26. Paratuberculosis control measures in Europe
27. Paratuberculosis Control in the USA
28. Paratuberculosis control measures in Australia
29. Ruminant aspects of paratuberculosis vaccination
30. Development of new paratuberculosis vaccines

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