



Microbiology of waterborne diseases [

Percival, Steven L.

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Libros electrónicos

Monografía

This comprehensive text describes the diseases associated with water, their causative agents and the ways in which they gain access to water systems. It also details the methods for detecting and identifying waterborne microorganisms, the ways in which they are removed from water, and the risks they present to water users. This handbook will serve as an indispensable reference for public health microbiologists, water utility scientists, research water pollution microbiologists environmental health officers, consultants in communicable disease control and microbial water pollution students. * In-depth accounts of the micro-organisms which are of significance to public health * Highlights the basic microbiology, clinical features, survival in the environment, and gives a risk assessment for each pathogen * Relates the pathogens to water pollution in a practical and research orientated way * Covers drinking water and both marine and freshwater recreational bathing waters

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMTcxMTc1MTE>

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Contenido: Introduction -- Risk assessment and drinking water -- Bacteriology -- Acinetobacter -- Aeromonas -- Arcobacter -- Campylobacter -- Cyanobacteria -- E.coli -- Helicobacter pylori -- Other heterotrophic plate count bacteria (Flavobacterium, Klebsiella, Pseudomonas, Serratia, Staphylococcus) -- Legionella -- The Mycobacterium avium complex -- Salmonella -- Shigella -- Vibrio cholerae -- Yersinia -- Protozoa -- Acanthamoeba -- Balantidium coli -- Cryptosporidium Cyclospora cayetanensis -- Cyclospora cayetanensis -- Entamoeba histolytica -- Giardia duodenalis -- Naegleria -- Toxoplasma -- Viruses -- Common Themes -- The survival and persistence of viruses in water -- Methods for the detection of waterborne viruses -- Adenovirus -- Astrovirus -- Enterovirus (poliovirus, coxsackievirus, echovirus) -- Hepatitis A Virus (HAV) -- Hepatitis E virus (HEV) -- Norovirus and Sapovirus -- Rotavirus -- Helminths -- Draunculiasis -- Future -- Emerging waterborne infectious diseases pt. 1. Introduction. Risk assessment and drinking water -- pt. 2. Bacteriology. Acinetobacter -- Aeromonas -- Arcobacter -- Campylobacter -- Cyanobacteria -- Escherichia coli -- Helicobacter pylori -- Other heterotrophic plate count

bacteria (Flavobacterium, Klebsiella, Pseudomonas, Serratia, Staphylococcus) -- Legionella -- The Mycobacterium avium complex -- Salmonella -- Shigella -- Vibrio cholerae -- Yersinia -- pt. 3. Protozoa. Acanthamoeba spp. -- Balantidium coli -- Cryptosporidium spp. -- Cyclospora cayetanensis -- Entamoeba histolytica -- Giardia duodenalis -- Naegleria fowleri -- Toxoplasma gondii -- pt. 4. Viruses. Common themes -- The survival and persistence of viruses in water -- Methods for the detection of waterborne viruses -- Adenovirus -- Astrovirus -- Enterovirus (poliovirus, coxsackievirus, echovirus) -- Hepatitis A virus (HAV) -- Hepatitis E. virus (HEV) -- Norovirus and sapovirus -- Rotavirus -- pt. 5. Helminths. Dracunculiasis -- pt. 6. Future. Emerging waterborne infectious diseases

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Autores: Percival, Steven L.

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es