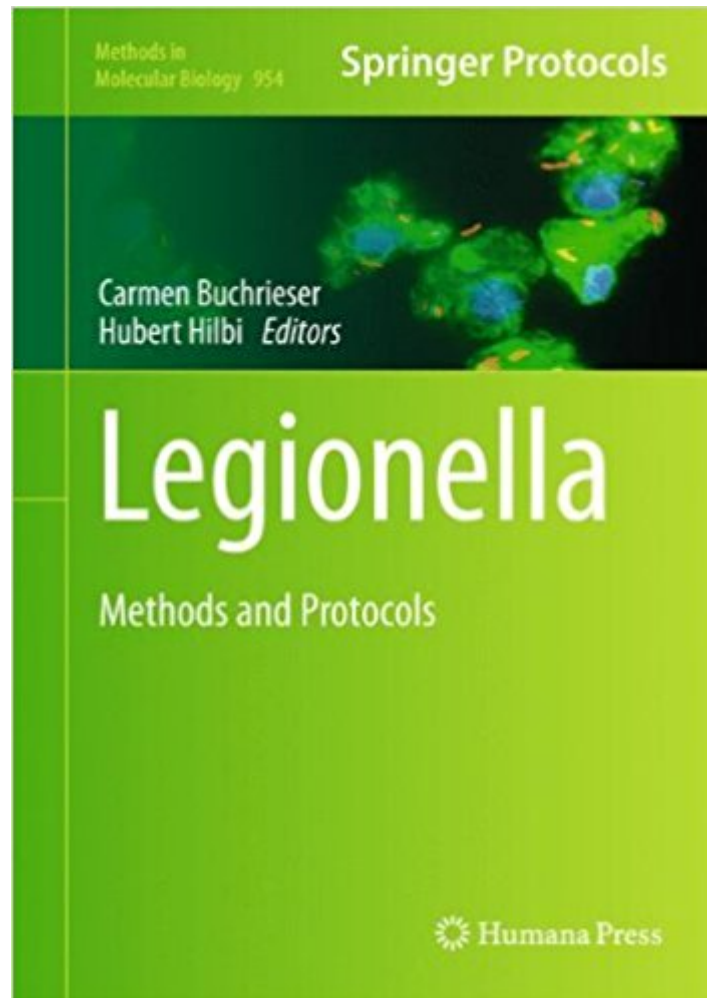




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# Legionella: Methods And Protocols (Methods In Molecular Biology)



## Synopsis

This Methods in Molecular Biology series book presents methods specifically adapted and developed for the study of distinct features of *L. pneumophila*. Includes materials lists, reproducible protocols, and notes on troubleshooting and pitfalls.

## Book Information

Series: Methods in Molecular Biology (Book 954)

Hardcover: 622 pages

Publisher: Humana Press; 2013 edition (November 13, 2012)

Language: English

ISBN-10: 162703160X

ISBN-13: 978-1627031608

Product Dimensions: 7.1 x 1.7 x 10 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

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Legionnaires' disease is a severe form of pneumonia that can occur in epidemics of several hundred cases. This atypical pneumonia is characterized by a high mortality rate and affects primarily elderly and immuno-compromised individuals. An in-depth understanding of the ecology and virulence of *Legionella* spp. will contribute to an efficient and sustainable elimination of the bacteria from anthropogenic water systems and might lead to the development of novel therapeutics. The many different methods described in *Legionella: Methods and Protocols* are all specifically adapted and developed for the study of distinct features of *L. pneumophila*, and have already led to exciting discoveries. Most of these techniques can also be applied to the study of other bacterial pathogens, in particular intracellular pathogens like *Shigella*, *Salmonella* or *Listeria*. Written in the successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes on troubleshooting and avoiding known pitfalls. Authoritative and easily accessible, *Legionella: Methods and Protocols* will not only be

useful for research groups studying Legionella, but also for a broader scientific community studying the epidemiology, typing, physiology, pathogenesis, immunity, genetics and evolution of other bacterial pathogens.

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