

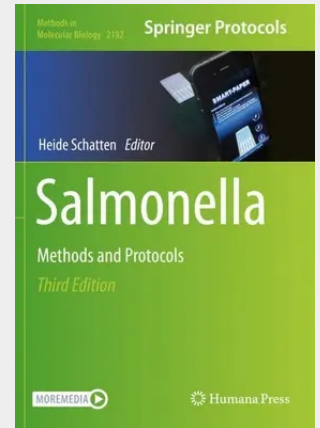
Salmonella

Methods and Protocols

This third edition expands upon the previous edition with current, detailed methods on different aspects, and landmarks advancing knowledge on Salmonella research. With new chapters on molecular assays for detection, identification and serotyping of Salmonella, quantitative proteomic identification of host factors involved in salmonella infection, determination of antimicrobial resistance in salmonella, site-directed mutagenesis, chromosomal gene analysis, various microscopy methods to analyze salmonella interaction with host cells, in vitro modeling of gallbladder-associated salmonella colonization, and analysis of salmonella phages and prophages. Written in the highly 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 laboratory protocols, and tips on troubleshooting and avoiding known pitfalls.

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