



Salmonella Typhi and Food Chain : Occurrence of Food-borne Salmonella Typhi

By MUHAMMAD IMRAN ARSHAD

VDM Verlag Aug 2010, 2010. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - Typhoid fever is a systemic disease contracted by ingestion of contaminated food or water. It is caused by the bacterium *Salmonella typhi*. Occurrence of *S. typhi* in poultry eggs, meat, drinking water, bakery products, and salad was studied. The isolates of *S. typhi* were confirmed by cultural characteristics, Gram's staining, biochemical and sugar fermentation reactions. These isolates were used as positive control in PCR and food samples directly collected in broth were checked for rapid detection of *S. typhi* in food chain instead of routinely used isolation and identification protocols. Anti-biogram profile of *S. typhi* isolates revealed that the isolates were highly susceptible to ciprofloxacin and to cefotaxime. The isolates were found resistant to amoxicillin and streptomycin. Application of PCR technique for the detection of *S. typhi* in food chain suggests a rapid detection method. This research work will be useful to know the occurrence of other food-borne human or animal pathogens in food commodities. Moreover, these findings may be helpful for food security and safety professionals as well as food microbiologists. 56 pp. Englisch.



READ ONLINE
[1.28 MB]

Reviews

Great electronic book and valuable one. It really is simplistic but surprises within the fifty percent from the book. Its been printed in an extremely simple way in fact it is merely right after i finished reading this publication by which in fact modified me, change the way i really believe.

-- **Dr. Bethany Lindgren**

The book is great and fantastic. Yes, it really is engage in, still an interesting and amazing literature. You wont feel monotony at at any moment of your respective time (that's what catalogs are for regarding if you request me).

-- **Daren Raynor II**