



Microbial Contamination in Food Samples of Dehradun City

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Abstract

Microbial contamination of the food is one of the biggest problems, in order to address the above said problem, 20 different food samples (goat intestine, poultry intestine, coriander leaves, mint leaves and pastry) were collected from different locations of Dehradun city. It was found that 75% of the samples were contaminated with salmonella sp. The PCR assay was also performed by using in vA (284 bp) specific primers. The results of PCR indicated the same prevalence (75%) of Salmonella sp. therefore, results of the bacteriological test correlated with PCR findings. Hence, the present study concludes considerable prevalence of Salmonella sp. in food sample which was confirmed using PCR assay.

Keywords: Dehradun region, Food samples, Salmonella.

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