

**H301**      **A Study on Bioserotypes, antibiotic susceptibilities, molecular-types, and Pathogenicities of *Yersinia enterocolitica* Isolated from Spring Water in Seoul Areas**

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Enteropathogenic *Yersinia enterocolitica* is an important cause of human and animal disease. Phenotypic and genotypic characteristics currently used to identify *Yersinia enterocolitica* are not necessarily sufficient to differentiate pathogenic from non-pathogenic strains or to analyse the epidemiology of yersiniae at a molecular level. To improve the characterisation of *Yersinia enterocolitica*, A total of 65 isolates of *Yersinia enterocolitica* were examined with PFGE, 16s RNA analysis and ribotyping.

Besides, A Multiplex polymerase chain reaction was developed to detect the presence of the ail, yst, and virF genes of *Yersinia enterocolitica* simultaneously, quickly and accurately.