

Pathogenic Bacteria Isolated from Diseased Giant Freshwater Prawn in Shrimp Culture Ponds

Authors : Kusumawadee Thancharoen, Rungrat Nontawong, Thanawat Junsom

Abstract : Pathogenic bacterial flora was isolated from giant freshwater prawns, *Macrobrachium rosenbergii*. Infected shrimp samples were collected from BuaBan Aquafarm in Kalasin Province, Thailand, between June and September 2018. Bacterial species were isolated by serial dilution and plated on Thiosulfate Citrate Bile Salt Sucrose (TCBS) agar medium. A total 89 colonies were isolated and identified using the API 20E biochemical tests. Results showed the presence of genera *Aeromonas*, *Citrobacter*, *Chromobacterium*, *Providencia*, *Pseudomonas*, *Stenotrophomonas* and *Vibrio*. Maximum number of species was recorded in *Pseudomonas* (50.57%) with minimum observed in *Chromobacterium* and *Providencia* (1.12%).

Keywords : biochemical test, giant freshwater prawn, isolation, salt tolerance, shrimp diseases

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