“Evaluation of the Therapeutic Potential of Ipecacuanha in Potencies 12C, 30C and 200C in Penaeus Monodon Challenged with Vibrio Cholera”

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Abstract

Background: Vibriosis caused by Vibrio cholerae is a major bacterial disease in shrimp aquaculture, leading to significant economic losses. According to reports, Vibrio cholerae is an opportunistic infection that can cause up to 100% death and significant output losses in shrimp farms. Lethargy, tissue and appendage necrosis, poor development, slow larval metamorphosis and body deformity, muscle opacity, melanization, empty midgut, and anorexia are all indicators of Vibrio cholerae illness. Seafood can become contaminated by bacteria that carry the Vibrio genes, endangering human health. Additionally, marine items are consumed globally and have a big impact on the economy. Seafood-borne infections have dramatically increased globally, primarily due to Vibrio cholerae species. The increasing concerns over antibiotic resistance necessitate the exploration of alternative Homeopathic therapeutic approaches.

Objective: The present study aimed to evaluate the efficacy of the homeopathic medicine Ipecacuanha at potencies 12C, 30C, and 200C in Penaeus monodon experimentally infected with Vibrio cholerae.