

Oral Vaccination of Nile Tilapia (*Oreochromis niloticus*) Against Motile *Aeromonas Septicaemia*

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Abstract :

Abstract: The present study was planned for preparation of formalin inactivated wet-packed whole cells *Aeromonas hydrophila* bacterin for oral vaccination. The humeral antibody response of vaccinated Nile tilapia (*Oreochromis niloticus* (*O. niloticus*)) was determined by micro-agglutination test. Moreover efficacy of the prepared bacterin against infection with *Aeromonas hydrophila* was detection and calculated as a relative level of protection. Nile tilapia (*O. niloticus*) immunized orally with formalin-inactivated *Aeromonas hydrophila* .wet-packed while cells had low level of antibody titer reached 2 and 3 by log₂ at first and fourth week post-immunization respectively while Nile tilapia (*O. niloticus*) fed on minced meat without vaccine had antibody titer reached 1 by log₂ throughout the experimental period . The relative level of protection among Nile tilapia (*O. niloticus*) immunized orally were 86.8. [Nature and Science 2010;8(2):21-26]. (ISSN: 1545-0740).

Key Word :

Aeromonas hydrophila - bacterin -vaccination- humeral antibody- Nile tilapia.

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