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

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Abstarc :

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 (Orechromis 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 log 2 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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